

# Curriculum Vitae

## Eduardo Segarra

### Education and Training, Experience, Teaching Objectives, and Research Interests

#### Education

- B.A. - Economics, Universidad Autónoma de Nuevo Leon – Monterrey, México, 1979.
- M.S. - Agricultural Economics, University of Missouri-Columbia, 1982.
- Ph.D. - Agricultural Economics, Virginia Polytechnic Institute and State University, 1986.

#### Additional Professional Training

- Exploring Rural Studies: An Interdisciplinary Approach - National Rural Studies Committee Summer Institute, Cornell University, summer 1993.
- ESCOP / ACOP Leadership Development Program - National Association of State Universities and Land-Grant Colleges, University of Arizona, 2002-2003.

#### Domestic Professional Experience

- Graduate Teaching Assistant. Department of Agricultural Economics, University of Missouri-Columbia. Agricultural Price Analysis - responsible teaching and grading, January 1981 to May 1981.
- Graduate Research Assistant. Department of Agricultural Economics, Virginia Polytechnic Institute and State University. Conducted research on the productivity and environmental impacts of soil erosion, September 1982 to February 1986.
- Post-Doctorate Research Associate. Department of Agricultural Economics, Virginia Polytechnic Institute and State University. Conducted research on rural infrastructure investment decision-making and integrated pest management strategies, March 1986 to August 1986.
- Visiting Scholar. Natural Resource Economics Division of the Economic Research Service, United States Department of Agriculture. Conducted research on the impacts of multi-objective policy formulation on natural resource related issues, September 1986 to October 1987.
- Assistant Professor, Associate Professor, and Professor. Department of Agricultural and Applied Economics, Texas Tech University (51 % teaching) and Texas Agricultural Experiment Station - Lubbock, Texas A&M University (49 % research). Teach economic principles, price theory, production economics, operations research, international trade, and dynamic optimization. Advise and monitor the research program of graduate and undergraduate students. Conduct research in production and natural resource economics, and domestic and international agriculturally related policies. Graduate Faculty status since January 1988. Awarded academic tenure in March 1992. Promoted to Associate Professor in September 1992. Promoted to Professor in September 1997. Favorable Post-Tenure Comprehensive Review in April 2003, April 2009, and April 2016. November 1987 to August 2005, and September 2013 to present (100% Texas Tech).
- Adjunct Faculty Member. Department of Agricultural Economics, Texas A&M University, October 1996 to August 2005.
- Professor and Chairman. Department of Agricultural and Applied Economics, Texas Tech University. Teach economic principles and undergraduate seminar, and advise/monitor the research and programs of graduate and undergraduate students. Conduct research on production and natural resource economics,

and domestic and international agriculturally related policies. Responsible for all academic, research, service, development, and outreach activities of the department. September 2005 to August 2013 (100% Texas Tech). Accomplishments as chairman:

- **FACULTY & FACULTY PRODUCTIVITY** – In 2013, the number of full time tenure-track faculty members in AAEC was 17. In FY05 there were 13 faculty members. Thus, From FY06 to FY13 four faculty positions were added and total faculty productivity in AAEC, as measured by the annual Total Faculty Workload calculation, doubled from FY06 (in FY05 was 392 and in FY06 was 433) to FY13 (in FY12 was 875 and in FY13 was 804).
- **UNDERGRADUATE PROGRAM** – In 2013, the undergraduate degrees offered in AAEC include: agricultural and applied economics, agribusiness, and dual degree in agricultural and applied economics and business administration (with an enrollment of 370+ students). From FY06 to FY13, undergraduate student enrollment increased approximately 40 percent (from around 240 to over 340 students on a regular basis). AAEC currently graduates approximately 75 undergraduate students per year.
- **GRADUATE PROGRAM** – In 2013, the graduate degrees offered in AAEC included: M.S. in agricultural and applied economics (thesis AND non-thesis), master of agribusiness (MAB, a non-thesis program), and Ph.D. in agricultural and applied economics (with an enrollment in all programs 40+). Between FY06 and FY13, the Master of Agribusiness program was implemented, minors in all academic programs with the Department of Personal Financial Planning were established, all 150 hour B.S. – M.S. & MAB accelerated programs were developed and implemented, and total graduate student enrollment has increased well over 50 percent (from 24 students to over 40 on a regular basis). From FY06 to FY13, AAEC graduated 28 doctoral students (3.5 per year), and 63 master students (almost 8 per year).
- **OUTREACH ACTIVITIES & RESEARCH PROGRAM** – Outreach involvement, and research project participation and funding obtained by AAEC's faculty was very strong between FY06 and FY13. From FY06 to FY13, AAEC faculty: worked on almost 500 research projects (approximately 60 research projects per year) and obtained a total of \$14.11 million worth of funding to work on those projects (an average of \$1.76 million worth of extramural funding generated per year).
- **DEPARTMENTAL ENDOWMENTS** - The total departmental endowment which supports varied academic -teaching and research activities quadrupled from \$1.2 million in 2005 to over \$4.9 million in 2013. In this same period, ONE professorship was established in risk management, ONE professorship was upgraded to endowed chair in agricultural finance, and ONE endowed chair was established in agricultural competitiveness.
- **LEADERSHIP and EFFECTIVENESS** - The Texas Tech University's Faculty Senate Survey of University Administrators (which started in 2007) highlighted that Segarra was ranked: 5<sup>th</sup> (fifth) in 2007, tied for 2<sup>nd</sup> (tied for second) in 2008, 6<sup>th</sup> (sixth) in 2009, 1<sup>st</sup> (first) in 2010, 1<sup>st</sup> (first) in 2011, and 3<sup>rd</sup> (third) in 2012 by faculty among ALL chairs at Texas Tech University. From 2007 to 2012 (SIX CONSECUTIVE YEARS) Segarra was ranked 1<sup>st</sup> among all chairs in CASNR.

### International Professional Experience

International research activities and/or projects include: (a) monitoring the research activities of the Pakistan Agricultural Research Council; (b) evaluation of agricultural price policies and trade in Central America (Guatemala, Nicaragua, Costa Rica and Panama); (c) analysis and evaluation of accomplishments at the International Potato Institute in Peru; (d) lectured on sector analysis methodologies and supervised sector analysis projects under the "Sistema de Información y Censo Agrícola" (SICA) a World Bank sponsored project in Ecuador; (e) USDA evaluator of progress of the GATT negotiations in Uruguay; (f) prospects for development of the Venezuelan and Colombian economies; (g) lectured and conducted research in natural resource economics, municipal and agricultural water use related technology adoption and management, welfare economics, and policy decision making in Israel, Jordan, Egypt, Oman, Qatar, and UAE; (h) lectured on production economics, natural resource economics, technology adoption, and

international trade at Huazhong Agricultural University in Wuhan, the College of Pastoral Agriculture Science and Technology, Lanzhou University in Lanzhou, and the School of Arid Environment and Climate Change, Lanzhou University in Lanzhou, China; (i) participated in several economic development related projects/issues in Ethiopia; and (j) projects in México include: analysis and evaluation of NAFTA, management of the Laguna Seca Aquifer in central México, land tenure and taxation policies in Mexican agriculture, analysis and evaluation of agricultural price policies, management of the Mexican foreign debt, and the potential role of fisheries in the future of economic development of México.

### **Teaching Objectives**

My teaching objectives are to educate students about economic concepts applicable to decision-making and to motivate students to be able to learn on their own without being intimidated by complexity.

### **Research Interests**

The thrust of my research effort is improving farm level decision-making by the consideration of the impacts of emerging technologies, public policy changes, and environmental and resource constraints that are likely to affect agricultural producers and society at large. My research ranges from applied farm level through purely disciplinary.

### **Views on Service**

My objective regarding service and engagement is to contribute to the enhancement of internal, external, and outreach missions at the departmental, college and university levels. My professional, academic and community service involvement tends to be task driven and strive for it to be well focused and effective.

### **Administrative Experience**

- Acting Chairman - Department of Agricultural and Applied Economics, Texas Tech University. Numerous occasions, September 1992 to August 2005.
- Graduate Program Coordinator, Department of Agricultural and Applied Economics, Texas Tech University, September 2000 to August 2005.
- ESCOP/ACOP Leadership Development Program, Assistant to the Dean -- College of Agricultural Sciences and Natural Resources, Texas Tech University, September 2002 - August 2003.
- Chairman - Department of Agricultural and Applied Economics, Texas Tech University, September 2005 – August 2013.
- Acting Dean - College of Agricultural Sciences and Natural Resources, Texas Tech University. Several occasions, September 2005 – present.

**Teaching, Graduate Committee Participation, Research Associate Direction,  
Research Advising and Undergraduate & Graduate Student Advising**  
(F -Fall Semester, S -Spring Semester, SI -First Summer Session, SII -Second Summer Session)

**Courses Taught**

IS 1100:	Tech Transition: Freshman Seminar -F93, F94, F95, F96.
AAEC 2305:	Fundamentals of Agricultural and Applied Economics -S03, F03, S04, F04, S05, F05, S06, F06, S07, F07, S08, F08, F13, S14, F14, S15, F15.
AAEC 3100:	Undergraduate Seminar –F08, S09, F09, S10, F10, S11, F11, S12, F12.
AAEC 3300:	Undergraduate Seminar –S13.
AAEC 3315:	Agricultural Price Theory -S98.
AAEC 4100:	Undergraduate Seminar -S01, F01.
AAEC 4305:	Agricultural Policy –F15.
AAEC 4306:	Trade in Agricultural Products -S00, S14 and SSI14 (study abroad-Ethiopia).
AAEC 5100:	Graduate Seminar -S89, F90, F91, F98.
AAEC 5301:	Special Study in Agricultural Economics -SI91, SII91, F92, SII93, S96, SI96, S98, SII99, SI01, SII01, SII03, F04, S12.
AAEC 5303:	Advanced Production Economics -F88, F89, F90, F91, F92, F93, F94, F95, F96, F97, F98, F99, F00, F01, F02.
AAEC 5305:	Operations Research in Agricultural Economics -S88, S90, S92, S93.
AAEC 5306:	International Trade in Agricultural Products -S89, S91, SI91.
AAEC 6305:	Dynamic Economic Optimization -S94, S95, S96, S97, S99.
AAEC 7200:	Teaching Practicum –F95, S96, S07, F08.

**Research Supervision and Guest Lecturer**

AAEC 2305:	Fundamentals of Agricultural Economics (guest lecturer) -F92.
AAEC 3100:	Undergraduate Seminar - F03, S04.
AAEC 3315:	Agricultural Price Theory (guest lecturer) - SSI03, S08, F08, S09.
AAEC 4000:	Internship in Agricultural Economics -S98, SSI98, SSI98, F98, S99, SSI99, SSI99, F99, S00, SSI00, SII00, F00, S01, SSI01, SII01, F01, S02, SI02, SII02, S03, SI03, SII03, F03, S04, SI04, SII04, F04, S05, SI05, SII05, F05.
AAEC 4100:	Undergraduate Seminar - S98, F98, S99, F99, S00, F00, S01, F01, S02, F02, S03.
AAEC 4101:	Current Problems in Agricultural Economics - F99.
AAEC 4300:	Agricultural Economics Methodology for Research and Management -F88, F89, F90, F91, F92, F94, F97.
AAEC 4301:	Special Problems in Agricultural Economics -S89, S90, S91, S92, S93, S95, S98, S99, S03, S09, S11, S12.
AAEC 4306:	Trade in Agricultural Products (guest lecturer) -S01.
AAEC 4314:	Advanced Production Management (guest lecturer) -S89.
AAEC 5310:	Advanced Agricultural Marketing (inter-regional competition and spatial equilibrium analysis section) -S94.
AAEC 6000:	Master's Thesis Research -S92, SI92, SII92, F92, S93, SI93, SII93, F93, S94, SI94, SII94, F94, S95, SI95, SII95, F95, S96, SI96, SII96, F96, S97, SI97, SII97, F97, S98, SI98, SII98, F98, S99, SI99, SII99, F99, SI00, SII00, F00, SI01, SII01, F01, S02, SI02, SII02, F02, S03, F03, S04, SI04, SII04, F04, S05, SI05, SII05, F05, S06, F06, S07, SSI07, SSI07, F07, S08, F09.
AAEC 6301:	Advanced Graduate Study -F93, S02.

AAEC 7000:	Master's Research Report -S94, SI94, SII94, F94, S95, F98, S99, S00, SI00, SII00, S01, F01, S02, F02, F09.
AAEC 8000:	Doctor's Dissertation Research -S89, SI89, SII89, F89, S90, SI90, SII90, F90, S91, SI91, SII91, F91, S92, SI92, SII92, F92, S93, SI93, SII93, F93, S94, SI94, SII94, F94, S95, SII95, F95, S96, SI96, SII96, F96, SI97, SII97, SI98, SII98, F98, F99, S00, SI00, SII00, F00, S01, SI01, SII01, F01, S02, SI02, SII02, F02, S03, SI03, SII03, F03, S04, SI04, SII04, F04, S05, SI05, SII05, F05, S06, SI06, S07, SII07, F07, S08, SSI08, SSII08, F08, S09, SSI09, SSII09, F09, S10, SSI10, SSII10, F10, S11, SSI11, SSII11, F11, S12, SSI12, SSII12, F12, SSI13, SSII13, F13, S14, SSI14, SSII14, F14, S15, SSI15, SSII15, F15.

**Chair (Co-Chair<sup>\*</sup>) of Graduate Student Committees** (graduate students directed – 31 - 3 MAG/MAB; 1 M.S.-J.D. Joint Degree; 11 M.S.; and 16 Ph.D.).

- **Guy Alan Goar, M.S.** in Agricultural Economics, Graduate Research Paper title "Optimum Strategies in Wheat Production and Winter Pasture Production," completed in 1990. Position taken - Agricultural and Applied Economist, NRW Transport, Co.
- **Ali Rosidi, Ph.D.** in Agricultural Economics, Dissertation title "The Balance of Trade Constrained Growth in the Indonesian Economy," completed in 1991. Position taken - Agricultural Economist & Statistician, Secretariat of Agriculture, Indonesia.
- **Yinjie Feng, Ph.D.** in Agricultural Economics, Dissertation title "Optimal Inter-temporal Allocation of Groundwater for Irrigation in the Texas High Plains," completed in 1992. Selected as the **Gamma Sigma Delta** Outstanding Ph.D. student in the College of Agricultural Sciences, Texas Tech University, 1992-1993. Position taken - Assistant Professor, University of Texas at Dallas.
- **Mohamed R. Darwish, Ph.D.** in Agricultural Economics, Dissertation title "Towards an Optimal Allocation for Egyptian Irrigation Water: An Economic Perspective," completed in 1992. Position taken - Assistant Professor, American University of Beirut, Lebanon.
- **Rodney Foster, Master of Agriculture**, Agricultural Economics, completed in 1993. Position taken - Agricultural Loan Officer, First National Bank - Sweetwater, Texas.
- **Phillip N. Johnson, Ph.D.** in Agricultural Economics, Dissertation title "A Welfare Evaluation of Post Conservation Reserve Program Alternatives," completed in 1993. Selected as the **Gamma Sigma Delta** Outstanding Ph.D. student in the College of Agricultural Sciences, Texas Tech University, 1993-1994. Position taken - Assistant Professor, Texas Tech University.
- **Eric Moreland, Master of Agriculture**, Agribusiness Management and Agricultural Economics, completed in 1994. Position taken - Agricultural and Applied Economist, Archer, Daniels & Midland Company.
- **Bambang Trihartanto, Ph.D.** in Agricultural Economics, Dissertation title "Food Crop Diversification and Rice Self-Sufficiency: The Impact on Indonesian Farmers' Income," completed in 1994. Position taken - Assistant Professor, Perbanas School of Economics, Indonesia.
- **Teresa Glover, M.S.** in Agricultural Economics, Thesis title "An Economic Analysis of Waste Management for Texas Cattle Feedlots -- An Analysis of System Alternatives and Policy Implications," completed in 1994. Position taken - Agricultural and Applied Economist, Economic Research Service, United States Department of Agriculture.
- **Bobby Stanaland, M.S.** in Agricultural Economics, Graduate Research Paper title "An Analysis of Producer Participation in the Texas Agricultural Water Conservation Loan Program," completed in 1994. Position taken - Agricultural and Applied Economist-Extension, Texas A&M University.
- **Marty R. Middleton, M.S.** in Agricultural and Applied Economics, Thesis title "The Economics of Plant Stress Reduction Through Biotechnology: An Application to the Northern Plains Region of Texas," completed in 1996. Position taken - Instructor, Texas Tech University.
- **Jason L. Johnson, Ph.D.** in Agricultural and Applied Economics, Dissertation title "The Economic and Environmental Implications of Feedlot Manure Utilization in the Texas High Plains," completed in 1996. Position taken - Assistant Professor, Texas A&M University.

- **Marc Michaud, M.S.** in Agricultural and Applied Economics, Thesis title "The Economic Impacts of the Texas Wine and Wine Grape Industry in the State's Economy," completed in 1997. Position taken - Agricultural and Applied Economist, National Agricultural Statistical Service, USDA.
- **Talah S. Arabiyat, M.S.** in Agricultural and Applied Economics, Thesis title "Agricultural Sustainability in the Texas High Plains: The Role of Advanced Irrigation Technology and Biotechnology," completed in 1998. Position taken - Ph.D. studies in Economics, Texas Tech University.
- **Wade Polk, M.S.** in Agricultural and Applied Economics, Thesis title "Selected Economic Impacts of the Red Imported Fire Ant in Texas," completed in 1999. Position Taken - Agricultural and Applied Economist - DTN Network, Lubbock, Texas.
- **Jingwei Wei, M.S.** in Agricultural and Applied Economics, Thesis title "Evaluation of the Impact of Technological Progress on Cropland Values," completed in 2000. Position taken - Ph.D. studies in Business Administration, Boston College.
- **Man Yu, Ph.D.** in Agricultural and Applied Economics, Dissertation title "Economic and Environmental Evaluation of Precision Farming Practices in Irrigated Cotton Production," completed in 2000. Position taken - Assistant Professor, Tarleton State University.
- **Heather Jacobson, M.S. - J.D.** Program, M.S. in Agricultural and Applied Economics - Jurisprudence Doctorate joint Program, completed in 2002. Position taken - Private Law Practice and Consulting, Casper, Wyoming.
- **Susan Watson, Ph.D.** in Agricultural and Applied Economics, Dissertation title "The Economics of Precision Farming in the Texas High Plains," completed in 2002. Position taken - Assistant Professor, University of Louisiana at Monroe.
- **Naveen Musunuru, Ph.D.** in Agricultural and Applied Economics, Dissertation title "Potential Economic Benefits of Adjusting Dryland Cropping Practices Based on Seasonal Rainfall Expectations," completed in 2003. Position taken - Assistant Professor, University of Louisiana at Monroe.
- **Erin Wheeler, M.S.** in Agricultural and Applied Economics, Thesis title "Policy Alternatives for the Southern Ogallala Aquifer: Economic and Hydrologic Implications," completed in 2005. Recipient of the 2005 Southern Agricultural Economics Association M.S. Thesis Honorable Mention. Position taken - Ph.D. studies in Agricultural and Applied Economics, Texas Tech University.
- **Teresa Dutch-Carvalho, Ph.D.** in Agronomy – Minor in Agricultural and Applied Economics, Dissertation title "WW-B. Dahl Old World Bluestem (*Bothriochloa bladhii*) in Integrated Crop-Livestock Systems for the Texas High Plains," completed in 2005. Position taken - Post doctoral Research Associate, Department of Agricultural and Applied Economics, Texas Tech University.
- **Raghu Kulkarni, Ph.D.** in Agricultural and Applied Economics, Dissertation title "Economic Optimality of Phosphorous Use in Cotton Production," completed in 2006. Position taken - HSBC Consumer Lending, Chicago, Illinois.
- **Caren Adams, M.S.** in Agricultural and Applied Economics (non- thesis), completed in 2007. Position taken – Agricultural Loan Officer, Texas Ag Credit, Dallas, Texas.
- **Erin Wheeler, Ph.D.** in Agricultural and Applied Economics, Dissertation title "Water Conservation Reserve Program Alternatives for the Southern Ogallala Aquifer," completed in 2008. Position taken – Post-Doctoral Research Associate, Texas Tech University.
- **Travis L. Ferguson, M.S.** in Agricultural and Applied Economics (non- thesis), completed in 2009. Position taken – Gene Messer TOYOTA Finance Department, Lubbock, Texas.
- **Dacheng Bian, Ph.D.** in Agricultural and Applied Economics, Dissertation title "Factors Affecting Groundwater Depletion in the Ogallala Aquifer: An Application to the Texas High Plains," completed in 2015. Position taken – Post-Doctoral Research Associate, Texas Tech University.
- **Jimmy Sias, MAB,** JBS – MRO Inventory Management, completed in 2015. Position Taken – JBS Company, Greeley, Colorado.
- **Marty Middleton, Ph.D.** in Agricultural and Applied Economics, Dissertation title to be determined, expected graduation in May 2016.
- **Eric Asare, Ph.D.** in Agricultural and Applied Economics, Dissertation title to be determined, expected graduation in May 2017.
- **Maryam Almasifard, Ph.D.** in Agricultural and Applied Economics, Dissertation title to be determined, expected graduation in May 2017.

**Member of Graduate Student Committees** (graduate students committees - 85: 54 M.S. and 31 Ph.D.)

- Agricultural and Applied Economics/Agricultural Economics (Total number - 59)
  - M. Ag. - (5) - Dannovan Hill, 1993; Chrissy Miles, 1996; Becky Baylor, 1996; Hope Floeck, 2000; and Robert Gillespie, 2006.
  - M. Agribusiness – (4) – Jordan Dickens, 2011; Daniel Bieber, 2012; Jessica Flint, 2013; and Garrison E. Williams, 2014.
  - M.S. - (31) - James R. Fuller, 1988; James R. McBee, 1989; Charles K. Brinkley, 1989; Scott Mack, 1990; Kevin Hurt, 1990; Steven B. Paz, 1991; Jere Lomthunzi, 1993; Jeffrey E. Brown, 1993; D. Craig Blackwell, 1993; Mario Fernando Lopez Olaciregui, 1996; Aubrey P. Haynes, 1996; Cumhur Buguk, 1996; Kolado Bocoum, 1996; Brent McPeck, 1997; April Clark, 1998; Mark Castleberry, 1998; Bonnie Terrell, 1998; Toby Dunn, 2000; Jason Blackshare, 2001; Sammy Renteria, 2003; Jay L. Youngblood, 2003; Justin Baker, 2005; Rebekka Martin, 2005; Justin Weinheimer, 2006; Ginger Sides, 2006; Travis Ferguson, 2009; Diwsah Neupane, 2010; Yuanshan Cheng, 2010; Haiyan Wang, 2013; Travis R. McCallister, 2014; and Shelbi R. Knisley, 2015.
  - Ph.D. - (19) - Jun-Vae Lee, 1988; Lapodini Atouga, 1988; Godfrey Chima Ejimakor, 1989; Ping Zhang, 1991; Ajmal Shah, 1993; Salam Memon, 1993; Chaw Wayoopagtr, 1995; Ma Cho, 1996; Darren Hudson, 1997; Lal K. Almas, 1999; Jeffrey Johnson, 2003; Das Biswaranjan, 2004; Margarita Velandia-Parra, 2007; Justin Weinheimer, 2008; Bridget L. Guerrero, 2010; Caren D. Fullerton, 2010; Shyam Nair, 2011; Andrew Wright, 2012; Ye Wang, 2014; Michael Shiroya, 2016; and Audrey Redford, 2016.
- Economics (Total number - 3)
  - Ph.D. - (3) - Oguz Ozsahin, 2000; Ozlem Ozdemir, 2000; and Ryan Williams, 2009.
- Agronomy/Plant and Soil Sciences (Total number - 14)
  - M.S. - (10) - Kerry Siders, 1989; Hla Kyauk, 1990; C. Gary Henniger, 1990; Mark Logan, 1991; Scott Asher, 1998; Mark Arnold, 1999; Alan L. Helm, 2002; Kenneth M. (Marty) McCormick, 2005; Rajkumari Yabaji, 2006; and Cody L. Jones, in progress.
  - Ph.D. - (4) - Kenny D. Melton, 1998; D. Alan Peters, 2003; LeAnna Lyon, 2004; and Wen Xuan Guo, 2005.
- Entomology (Total number - 4)
  - M.S. - (3) - Elizabeth Ann Bodden, 1997; Ram Babu Shrestha, 2004; and P. Latha Bommireddy, 2004.
  - Ph.D. - (1) - Edsel D. Bynum, Jr., 2003.
- Land Use Planning, Management and Design (Total number - 1)
  - Ph.D. - (1) - Francisco Javier Gonzalez-Gonzalez, 2006.
- Animal Science (Total number - 1)
  - M.S. - (1) - Gustavo Palacio, 1994.
- Interdisciplinary Engineering (Total number - 1)
  - Ph.D. - (1) - Mukaddes Darwish, 1998.

**Graduate School Representative at Ph.D. Dissertation Defenses** (Total number - 17)

- Randy Lloyd, Ph.D. in Agronomy, Dissertation title "Weed Management in Conservation Tillage Systems," completed in 1990.
- Jane Dever, Ph.D. in Agronomy, Dissertation title "Relative Fiber Uniformity Between Parent, First Filial and Second Filial Generations in Cotton," completed in 1990.
- Charles Edward Aulbach II, Ph.D. in Park Administration and Landscape Architecture, Dissertation title "Detecting, Evaluating and Monitoring Land Use Change on the Southern High Plains of Texas," completed in 1991.
- David Hugh Kattes, Ph.D. in Agronomy, Dissertation title "A Comparison of Two Cotton Seed Delinting Methods with Respect to Planting Seed Quality," completed in 1992.
- Ilho Shong, Ph.D. in Economics, Dissertation title "The Earnings Gap Between Female Dominated and Other Occupations for Career Women," completed in 1993.
- Jose Carlos Villalobos, Ph.D. in Range Science, Dissertation title "Effects of Protein Supplementation on Steers Grazing Dormant Tobosa Grass," completed in 1994.

- Jiang-Ming Wu, Ph.D. in Business Administration, Dissertation title "Maximum Likelihood Estimation in the Random Coefficient Regression Model Via the EM Algorithm," completed in 1995.
- Burak Gunalp, Ph.D. in Economics, Dissertation title "A Simultaneous Equation Analysis of Market Structure, Conduct and Performance: New Evidence from the U.S. Manufacturing Industries," completed in 1997.
- Anne Marie Macey, Ph.D. in Economics, Dissertation title "The Impact of Pharmaceutical Mergers on Economic Agents," completed in 1998.
- James M. Mueller, Ph.D. in Wildlife Management, Dissertation title "Effect of the Red Imported Fire Ants on Reproduction, Health, and Survival of Northern Bobwhites," completed in 1999.
- Ozkan Ozfidan, Ph.D. in Economics, Dissertation title "The Effects of Antitakeover Provisions on Managerial Performance," completed in 2000.
- Khalid B. Al-Hmoud, Ph.D. in Economics, Dissertation title "The Effects of Privatization on Efficiency: The Case of Mexico's Commercial Banks," completed in 2002.
- Talah S. Arabiyat, Ph.D. in Economics, Dissertation title "Asset Pricing and Yield Spreads in the Commodity Spot and Future Markets," completed in 2003.
- Amanda L. Broome, Ph.D. in Agronomy, Dissertation title "Biomass and Photosynthetic Efficiency of Allium Species Grown in Elevated Carbon Dioxide Levels with Differentiating Plant Densities and Harvest Schemes," completed in 2009.
- Mouze Kebede, Ph.D. in Agricultural and Applied Economics, Dissertation title "Three Essays on Estimation of Chinese Textile Demand System and Their Implications on World Cotton Market," completed in 2012.
- Nirodha De Silva, Ph.D. in Agricultural and Applied Economics, Dissertation title "Essays on Water Scarcity: Non-Market Valuation and Climate Change Impacts," completed in 2016.
- B. Scott Asher, Ph.D. in Plant and Soil Sciences, Dissertation title "Vertical Mobility, Soil Absorption, and Cotton Tolerance in Three Protoporphyrinogen Oxidase (PPO) Inhibiting Herbicides in Three West Texas Soils," completed in 2016.

#### **Research Associates Directed** (Total number - 10)

- **Carlos F. Engels.** Project: Government Intervention in the Mexican Livestock Sector. Period: October 1988 - September 1989.
- **Christopher Gwinn.** Project: Biologic and Economic Assessment of Pesticide Use in Sorghum Production. Period: October 1992 - December 1994.
- **Mohamed R. Darwish.** Project: Integration of Crop Production with Municipal Wastewater Disposal. Period: June 1993 - August 1993.
- **Teresa P. Glover.** Project: An Economic Analysis of Waste Management for U.S. Livestock Producers: System Alternatives and Policy Implications. Period: December 1994 - December 1998.
- **Steve Teal.** Project: Economic Impacts of the Red Imported Fire Ant in Texas: The Search for Economically Feasible Solutions. Period: September 1997 - August 1999.
- **Lal K. Almas.** Project: Evaluation of High Frequency Cotton Irrigation for Planned Soil Water Depletion with LEPA and Drip Systems. Period: June 1998 - August 1998.
- **Lihua Li.** Project: Agricultural Productivity in Small Farming Systems of Northwest China. Period: September 2010 – August 2011.
- **Arely Romero Padilla.** Project: The Impacts of Biofuel Production in the U.S. on the Mexican Corn Market. Period: September 2012 – May 2013.
- **Maria Eugenia Estrada.** Project: Analysis and Evaluation of the Competitiveness of Mexican Strawberry Producers. January 2015 – May 2015.
- **Dacheng Bian.** Project: Water Resource Use Sustainability in Agriculture: An Application to the Hexi Corridor Region of China. September 2015 – May 2016.



#### **Undergraduate Senior Research Thesis Directed (Total number - 11)**

- **Kenneth Hill**, B.S. in Agricultural Economics, Research Paper title "Economic Feasibility of Converting an Existing Center Pivot Irrigation System to a Low Energy Precision Application Center Pivot Irrigation System in Hockley County, Texas," completed in 1989.
- **John R. Harrell**, B.S. in Agricultural Economics, Research Paper title "A Benefit-Cost Analysis of Implementing Furrow Diking in Dryland Cotton on the High Plains of Texas," completed in 1990.
- **Stephen L. K. Njuka**, B.S. in Agricultural Economics, Research Paper title "An Analysis of the Kenyan Agricultural Industry: Supply and Demand for Maize and Wheat," completed in 1991.
- **Charley M. Triplett**, B.S. in Agricultural Economics, Research Paper title "Economics of Conservation Tillage with Low Energy Precision Application Irrigation," completed in 1991.
- **Ellen J. Foster**, B.S. in Agricultural Economics, Research Paper title "The Impacts of the United States-Mexico Free Trade Agreement on the Texas Cattle Industry," completed in 1992.
- **Rodney G. Foster**, B.S. in Agricultural Economics, Research Paper title "Economic Analysis of High Frequency Irrigation," completed in 1992.
- **Lance Barnett**, B.S. in Agricultural Economics, Research Paper title "Design of a Methodology to Evaluate Vegetable Production Comparative Advantage Between Mexico and the U.S.," completed in 1993 (Garcia-Robles Fulbright Fellowship for Study Abroad at the Universidad Autonoma de Guanajuato, Guanajuato, Mexico and conducted research at the Instituto Nacional de Investigaciones Forestales y Agropecuarias at Celaya, Guanajuato, Mexico).
- **Allen Hoelscher**, B.S. in Agricultural Economics, Research Paper title "Economic Impacts of Wind Sheltering in Cotton Production in the Texas High Plains," completed in 1995.
- **Toby Rogers**, B.S. in Agricultural Economics, Research Paper title "Protein Level Reliability of Cattle Feeding Rations: An Application to the Texas High Plains," completed in 1995 (fourth place in the Student Section-Presented Paper competition at the 1995 meeting of AAEEA).
- **Kirstie A. Moates**, B.S. in Agricultural and Applied Economics, Research Paper title "A Study of the Economic Impact of the Red Imported Fire Ant on the Cattle Industry in Texas," completed in 1998.
- **Jason Staver**, B.S. in Agricultural and Applied Economics, Research Paper title "The Determination of the Least Cost Alternative for Corn Harvesting in the Texas High Plains," completed in 1999.

#### **Graduate and Undergraduate Student Advising**

- Active participation at New Student Orientation (freshman and transfer students) sessions throughout the year, January 1988 – August 2005, and September 2013-present.
- As the Graduate Program Coordinator for the Department of Agricultural and Applied Economics served as the temporary advisor of all incoming graduate students, September 2000 to August 2005.
- Plan/organize/conduct New Student Orientation (freshman and transfer students) sessions throughout the year, September 2005-August 2013.
- Advise and monitor the progress of approximately 30-40 undergraduate students on a continuing basis, January 1988 – present.

## Undergraduate Student Internship Direction

As coordinator of the Internship Program for the Department of Agricultural and Applied Economics from 1/1/1998 to 12/1/2005, directed and evaluated the internship program of 78 undergraduate students:

**Spring 1998 (2):** Brad F. Gruner, Bayer Corporation, Amarillo, Texas; and Jason T. Gandy, Wilson State Bank, Wilson, Texas.

**Summer 1998 (10):** Jason S. Merry, Beamore Farms, Fillmore, California; Jason C. Staver, IBP Corporation, Garden City, Kansas; Chett L. Woodul, Consolidated Cotton Gin, Lubbock, Texas; Steven R. White, Mark Scott-Crop Consulting, Lubbock, Texas; Shauna L. Swink, Crosbyton Seed Co., Crosbyton, Texas; Jessica Monroe-Smith, Garst Seed Co., Amarillo, Texas; L. Brent Martin, Wilbur-Ellis, Lubbock, Texas; Kevin Kuper, Continental Grain - Cattle Feeding Division, Stratford, Texas; Robby W. Harrison, XIT Feeders, Dalhart, Texas; and Kendra Isom-Burris, Zeneca, Idalou, Texas.

**Fall 1998 (4):** Ashley Graves, Convention and Tourism Bureau of Lubbock, Lubbock, Texas; Joan Milligan, Sumaria Systems, Dayton, Ohio; Kim J. Holscher, 1<sup>st</sup>. Texas Federal Land Bank, Lubbock, Texas; and Frank S. Baumann, III, Del Monte Fresh Produce, Plano, Texas.

**Spring 1999 (2):** Drew DeBerry, State House of Representatives - Robert Duncan, Austin, Texas; and Johnathan Green, The Machine Shop, Roswell, New Mexico.

**Summer 1999 (4):** Jamie Rocha, Stamps Spraying Service, Inc., Panhandle, Texas; Justin Hodge, U.S. Congress - Larry Combest, Washington, D.C.; Blaine Rotramell, Continental Grain, Panhandle, Texas; and Regan Grimes, Jeld-Wen, Inc., Temple, Texas.

**Fall 1999 (3):** Geoff Haney, U.S. Senate - Kay Bailey Hutchison, Washington, D.C.; Clay Blair, Zeneca, Idalou, Texas; and Todd Stratley, DTN Cotton Network, Lubbock, Texas.

**Spring 2000 (3):** Marlena Adamek, Plains Cotton Growers Association, Lubbock, Texas; William C. Collier, T&K Dairy, Snyder, Texas; and Jeremy Louder, HF&F Feeders, Wolfforth, Texas.

**Summer 2000 (2):** Keri Weid, Archer, Daniels & Midland, Co., Cedar Rapids, Iowa; and Phil Peabody, Wilbur-Ellis, Co., Farwell, Texas.

**Fall 2000 (2):** Andrew Boyd, National Association of Grain Sorghum Producers, Lubbock, Texas; and Blair Lang, Plains National Bank - Financial, Lubbock, Texas.

**Spring 2001 (3):** Lauri Vaughn, U.S. Congress - House Committee on Agriculture, Washington, D.C.; Jana Howe, U.S. Congress - Charles Stenholm, Washington, D.C.; and Brandon Lipps, U.S. Congress - Lamar Smith, Washington, D.C.

**Summer 2001 (6):** Carmen Haworth, U.S. Congress - House Committee on Agriculture, Washington, D.C.; Katie Yates, Monsanto, Memphis, Tennessee; Joshua Burris, Pioneer Hybrid Seed Co., Garden City, Kansas; Russ Hodges, TTU Crop Physiology, Lubbock, Texas; Andrew McMurry, First National Bank of Abilene, Abilene, Texas; and Shane Tomlin, Roscoe State Bank, Roscoe, Texas.

**Fall 2001 (1):** Michelle Fisher, U.S. Senate - Kay Bailey Hutchison, Washington, D.C.

**Spring 2002 (2):** Heidi Adams, U.S. Senate - Pete Domenici, Washington, D.C., Matthew S. Schertz, U.S. Congress - House Committee on Agriculture, Washington, D.C.

**Summer 2002 (5):** Casey Barrett, State National Bank, Lubbock, Texas; Bryan Benson, Monsanto, Memphis, Tennessee; Brent Carson, U.S. Congress - Kevin Brady, Washington, D.C.; Ginger Sides, U.S. Senate - Kay Bailey Hutchison, Washington, D.C.; and Ollie Williams, Ranch Real Estate, San Angelo, Texas.

**Spring 2003 (3):** Dustin Miller, TTU - Agricultural and Applied Economics, Lubbock, Texas; Candence Royal, U.S. Congress - Lamar Smith, Washington, D.C.; and Katherine Baggerman, State House of Representatives - David Swinford, Austin, Texas.

**Summer 2003 (3):** Jeffrey Graham, Forbes Show Cattle, Tahoka, Texas; M. Joseph Collins, Archer, Daniels & Midland Co., Lubbock, Texas; and Jessica Price, U.S. Senate - John Cornyn, Washington, D.C.

**Fall 2003 (4):** Richard B. Moore, U.S. Congress - Charles Stenholm, Washington, D.C.; M. Joseph Collins, Archer, Daniels & Midland Co., Lubbock, Texas; Stacy Hinderliter, National Grain Sorghum Producers Association, Lubbock, Texas; and Kayla Hines, Ag. Texas - Farm Credit Services, Lubbock, Texas.

**Spring 2004 (4):** Craig T. Harman, National Grain Sorghum Producers Association, Lubbock, Texas; Kayla Hines, Ag. Texas - Farm Credit Services, Lubbock, Texas; Brian C. Lehrmann, U.S. Congress - Kay Granger, Washington, D.C.; and Charles E. Wilson, U.S. Congress - Randy Naeugebauer, Washington, D.C.

**Summer 2004 (2):** Audrey Hensley, Rousseau Farming Company, Tolleson, Arizona; and Sarah Blessing, Agri-Search, Inc., Plainview, Texas.

**Fall 2004 (1):** Alyssa Irlbeck, Morgan Stanley, Lubbock, Texas.

**Spring 2005 (3):** Scott Graves, U.S. House Committee on Agriculture, Washington, D.C.; Daniel C. Hardin, Berry Ranch, Eunice, New Mexico; and Kyle Kight, Iden Farms, Bigh Spring, Texas.

**Summer 2005 (7):** Andrew D. Carthel, Texas Cooperative Extension - IPM Internship Program, Farwell, Texas; Chris E. Cogburn, National Grain Sorghum Producers Association, Lubbock, Texas; Kinsey L. Cumba, First National Bank of Baird, Baird, Texas; Weston D. Harding, REMAX Real State, Lubbock, Texas; Joshua T. Kute, AIRTITE Window Manufacturing, Abilene, Texas; Tobin C. Ellison, U.S. House Committee on Agriculture, Washington, D.C.; and Brett J. Schniers, Twin Farms, Inc., San Angelo, Texas.

**Fall 2005 (2):** Tobin Ellison, U.S. House Committee on Agriculture, Washington, D.C.; and Jessica Neitsch, U.S. Congress - Mike Conaway.

## Recent Teaching - Evaluation Summary

### Undergraduate Courses

<u>Course</u>	<u>Term</u>	<u>Excellent</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>
AAEC 4306	Spring 2000 (60)	71.40	23.80	2.40	2.40
AAEC 4100	Spring 2001 (31)	78.60	00.00	7.10	14.30

### Percent of Students in Segarra's Undergraduate Courses Evaluating the Course as a Valuable Learning Experience

AAEC 4100 <sup>b</sup>	Fall 2001 (16)	Overall rating of course as a learning experience 5.00 out of 5.00			
AAEC 2305	Spring 2003 (51)	Overall rating of course as a learning experience 4.03 out of 5.00			
AAEC 2305	Fall 2003 (47)	Overall rating of course as a learning experience 4.18 out of 5.00			
AAEC 2305	Spring 2004 (57)	Overall rating of course as a learning experience 4.05 out of 5.00			
AAEC 2305	Fall 2004 (37)	Overall rating of course as a learning experience 4.28 out of 5.00			
AAEC 2305	Spring 2005 (41)	Overall rating of course as a learning experience 4.22 out of 5.00			
AAEC 2305	Fall 2005 (34)	Overall rating of course as a learning experience 4.00 out of 5.00			
AAEC 2305	Spring 2006 (40)	Overall rating of course as a learning experience 4.47 out of 5.00			
AAEC 2305	Fall 2006 (39)	Overall rating of course as a learning experience 4.09 out of 5.00			
AAEC 2305	Spring 2007 (40)	Overall rating of course as a learning experience 4.27 out of 5.00			
AAEC 2305	Fall 2007 (41)	Overall rating of course as a learning experience 4.58 out of 5.00			
AAEC 2305	Spring 2008 (40)	Overall rating of course as a learning experience 4.20 out of 5.00			
AAEC 2305	Fall 2008 (48)	Overall rating of course as a learning experience 4.62 out of 5.00			
AAEC 2305	Fall 2013 (36)	Overall rating of course as a learning experience 4.14 out of 5.00			
AAEC 2305	Spring 2014 (38)	Overall rating of course as a learning experience 4.24 out of 5.00			
AAEC 2305 <sup>c</sup>	Fall 2014 (35)	Overall rating of course as a learning experience 4.28 out of 5.00			
AAEC 2305	Spring 2015 (35)	Overall rating of course as a learning experience 4.64 out of 5.00			
AAEC 2305	Fall 2015 (36)	Overall rating of course as a learning experience 4.28 out of 5.00			
AAEC 3100	Fall 2008 (50)	Overall rating of course as a learning experience 4.83 out of 5.00			
AAEC 3100	Spring 2009 (42)	Overall rating of course as a learning experience 4.59 out of 5.00			
AAEC 3100	Fall 2009 (37)	Overall rating of course as a learning experience 4.57 out of 5.00			
AAEC 3100	Spring 2010 (35)	Overall rating of course as a learning experience 4.65 out of 5.00			
AAEC 3100	Fall 2010 (42)	Overall rating of course as a learning experience 4.79 out of 5.00			
AAEC 3100	Spring 2011 (34)	Overall rating of course as a learning experience 4.79 out of 5.00			
AAEC 3100	Fall 2011 (39)	Overall rating of course as a learning experience 4.28 out of 5.00			
AAEC 3100	Spring 2012 (40)	Overall rating of course as a learning experience 4.55 out of 5.00			
AAEC 3100	Fall 2012 (32)	Overall rating of course as a learning experience 4.79 out of 5.00			
AAEC 3300	Spring 2013 (39)	Overall rating of course as a learning experience 4.53 out of 5.00			
AAEC 4305	Fall 2015 (43)	Overall rating of course as a learning experience 4.61 out of 5.00			

### Graduate Courses

<u>Course</u>	<u>Term</u>	<u>Excellent</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>
AAEC 5100	Fall 1998 (5)	75.00	25.00	00.00	00.00
AAEC 5303	Fall 1995 (9)	88.90	00.00	11.10	00.00
AAEC 5303	Fall 1996 (8)	71.40	28.60	00.00	00.00
AAEC 5303	Fall 1997 (5)	80.00	20.00	00.00	00.00
AAEC 5303	Fall 1998 (10)	40.00	50.00	10.00	00.00
AAEC 5303	Fall 1999 (5)	100.00	00.00	00.00	00.00
AAEC 5303	Fall 2000 (8)	83.30	16.70	00.00	00.00
AAEC 6305	Spring 1995 (5)	80.00	20.00	00.00	00.00
AAEC 6305	Spring 1996 (6)	83.30	16.70	00.00	00.00
AAEC 6305	Spring 1997 (9)	100.00	00.00	00.00	00.00
AAEC 6305	Spring 1999 (5)	25.00	75.00	00.00	00.00

### Percent of Students in Segarra's Graduate Courses Evaluating the Course as a Valuable Learning Experience

AAEC 5303	Fall 2001 (8)	Overall rating of course as a learning experience 4.25 out of 5.00			
AAEC 5303	Fall 2002 (6)	Overall rating of course as a learning experience 4.80 out of 5.00			
AAEC 6301	Spring 2002 (3)	Overall rating of course as a learning experience 5.00 out of 5.00			

<sup>a</sup> Number in parenthesis represents the number of students taking the course

<sup>b</sup> A new course evaluation form was adopted in Fall 2001.

<sup>c</sup> A new course evaluation form was adopted in Fall 2014.

## Awards and Distinctions

- Outstanding Masters Thesis, Department of Agricultural Economics at the University of Missouri-Columbia, Columbia, Missouri, September 1982. "An Analysis of Mexican Agricultural Price Policies: The Inclusion of Cross-Commodity Effects." Departmental entry for the AAEA annual M.S. Thesis competition.
- Kellogg Foundation Fellow, International Association of Agricultural Economists, Malaga, Spain, August 1985.
- Outstanding Ph.D. Dissertation, Department of Agricultural Economics at Virginia Polytechnic Institute and State University, Blacksburg, Virginia, October 1986. "A Dynamic Analysis of the Crop Productivity Impacts of Soil Erosion: An Application to the Piedmont Area of Virginia." Departmental entry for the AAEA annual Ph.D. Dissertation competition.
- Certificate of Appreciation for Participation in the Texas Tech University Libraries Annual Faculty and Staff Book Exhibit, Lubbock, Texas, March 1988.
- Certificate of Appreciation for Contributions to the "Seminario Sobre los Comportamientos de los Acuíferos Subterráneos," the City of San Luis de la Paz, Guanajuato, Mexico, July 1988.
- Texas Tech University Ex-Students Association's Outstanding New Faculty Award, Lubbock, Texas, April 1990.
- Outstanding Service to the Agricultural Economics Association, Department of Agricultural Economics, Texas Tech University, Lubbock, Texas, April 1991.
- Certificate of Appreciation for Service to the Asociación Nacional de Especialistas en Ciencias Avícolas de México, A.C., Mexico City, Mexico, September 1993.
- Outstanding Service to the Universidad Autónoma de Chapingo, Unidad Regional Universitaria de Zonas Áridas, Bermejillo, Durango, Mexico, June 1994.
- 1994 United States Department of Agriculture National Superior Service Team Award for Scientific Research, Washington, D.C., September 1994.
- Mortar Board, Texas Tech University - Apple Polishing Award for Teaching, November 1994.
- Outstanding Professor of the Year, AECO Graduate Student Association, Department of Agricultural Economics, Texas Tech University, Lubbock, Texas, December 1995.
- Outstanding Contributions as a Member of NAPIAP's Grain Sorghum Assessment Team, United States Department of Agriculture, Washington, D.C., March 1996.
- President's Academic Achievement Award, Texas Tech University, Lubbock, Texas, April 1997.
- Outstanding Contributions to "Semana Internacional de Intercambio Académico del Centro Universitario de los Altos y las Universidades de Costa Rica y Texas Tech." Universidad de Guadalajara, Centro Universitario de los Altos, Tepatitlán, Jalisco, Mexico, July 1997.
- Teaching Academy Award for Meritorious Teaching Activities, Texas Tech University, Lubbock, Texas, December 1997.
- 1998 Vice Chancellor's Award in Excellence for Research, Off-Campus, Texas A&M University, College Station, Texas, January 1999.
- Outstanding Service and Contributions to the Southern Agricultural Economics Association Award as President 1998-1999, Memphis, Tennessee, February 1999.
- Outstanding Professor of the Year, Graduate Student Association, Department of Agricultural and Applied Economics, Texas Tech University, Lubbock, Texas, November 1999.
- Outstanding Service and Contributions to the Southern Agricultural Economics Association Award as an Officer 1995-2000, Lexington, Kentucky, February 2000.
- College of Agricultural Sciences and Natural Resources Outstanding Researcher - 1999, Texas Tech University, Lubbock, Texas, April 2000.
- Outstanding Faculty Member Award, Agricultural Economics Association, Department of Agricultural and Applied Economics, Texas Tech University, Lubbock, Texas, May 2000.
- Certificate of Appreciation for Economics-related Research Efforts at the Western Peanut Growers Research Farm, Western Peanut Growers Association, Inc., Denver City, Texas, September 2000.
- Inducted into the Teaching Academy, Texas Tech University, Lubbock, Texas, April 2001.

- Outstanding Service to the Agricultural Economics Association Award, Department of Agricultural and Applied Economics, Texas Tech University, Lubbock, Texas, April 2002.
- AAEA National Outstanding Chapter Award - Advisor, Agricultural Economics Association, Department of Agricultural and Applied Economics, Texas Tech University, Long Beach, California, July 2002.
- Award for Leadership and Service to the American Agricultural Economics Association Foundation as Board Member and President 2000-2003, Montreal, Canada, July 2003.
- College of Agricultural Sciences and Natural Resources Service and Outreach Award - 2005, Texas Tech University, Lubbock, Texas, August 2005.
- Outstanding Professor of the Year, Graduate Student Association, Department of Agricultural and Applied Economics, Texas Tech University, Lubbock, Texas, November 2005.
- Teacher of the Semester in the College of Agricultural Sciences and Natural Resources - Fall 2005, Student Agricultural Council, Texas Tech University, Lubbock, Texas, April 2006.
- Co-Recipient of the Water Conservation Advisory Council's 2012 Blue Legacy Award in Agriculture for Water Conservation - Ogallala Aquifer Program (member), November 2012.
- Co-Recipient of the Water Conservation Advisory Council's 2012 Blue Legacy Award in Agriculture for Water Conservation – Texas Alliance for Water Conservation project (member), November 2012.
- Co-Recipient of the Integrated Water Resource Management Award by the American Water Resources Association – Texas Alliance for Water Conservation project (member), November 2013.
- Co-Recipient of the Highly Commended Paper of 2013 Award - Emerald Group Publishing Limited for the article entitled "Migration, Remittances and Agricultural Productivity in Small Farming Systems of Northwest China" by L. Li, C. Wang, E. Segarra, and Z. Nan which was published in China Agricultural Economic Review, 5(1): 5-23, 2013.
- Certificate of Appreciation for Contributions to the Primer Congreso Internacional de las Praderas, Universidad Autónoma de Chihuahua, Chihuahua, Chihuahua, Mexico, April 2014.
- Certificate of Appreciation for Contributions as Judge at the 13<sup>th</sup> Graduate Poster Competition – Graduate School, Texas Tech University, Spring 2014.
- Co-Recipient of the Texas Environmental Excellence Award in Agriculture – Texas Alliance for Water Conservation project (member), March 2015.

### **Honors**

- Member of Gamma Sigma Delta, The Honor Society of Agriculture.
- Member of Sigma Xi, The Honorary Scientific Research Society.
- Member of the Honor Society of Phi Kappa Phi.
- Member of Phi Beta Delta, The Honor Society for International Scholars.
- Associate member of the International Center of Arid and Semi-Arid Land Studies, Texas Tech University.
- Research Associate, Center for the Study of Economic and Industrial Development, Department of Economics and Geography, Texas Tech University.
- Mace Bearer - spring 2002 Graduation Ceremony, Texas Tech University.
- Virginia Tech representative at Dr. Jon Withmore's Inauguration as Texas Tech University's 14<sup>th</sup> President.
- Who's Who in Agriculture Higher Education
- Mace Bearer - spring 2012 Graduate School Graduation Ceremony, Texas Tech University.

### **Professional Affiliations**

- American Agricultural Economics Association.
- International Association of Agricultural Economists.
- Northeastern Agricultural and Resource Economics Association.
- Southern Agricultural Economics Association.
- TeXas Economists.
- Western Agricultural Economics Association.

## Participation in Professional Organizations

### Regional

- Member of the Southern Region Technical Committee on International Agricultural Trade S-224, 1987-1993.
- Member of the Evaluation of International Markets for Southern Commodities Committee S-256, 1993-2000.
- Member of the Economic and Environmental Implications of Expiring Conservation Reserve Contracts Committee NC-214, 1994-1999.
- Member of the Graduate Student Distinguished Professional Contributions Committee, Southern Agricultural Economics Association, 1988-1991.
- Member of the Editorial Council of the Journal of Agricultural and Applied Economics (formerly, Southern Journal of Agricultural Economics), 1991-1994.
- Member of the Teaching Award Committee, Southern Agricultural Economics Association, 1993-1994.
- Texas Tech University and Texas A&M University representative in the Great Plains Agricultural Council, Economics Committee, 1993-1995.
- Member of the Southern Extension and Research Activity – Agro-Ecosystems Conference-Organizing Committee, Southern Association of Agricultural Experiment Station Directors, 1994.
- Second Vice-President - Elect, Southern Agricultural Economics Association, 1995-1996.
- First Vice-President - Elect, Southern Agricultural Economics Association, 1996-1997.
- President - Elect, Southern Agricultural Economics Association, 1997-1998.
- President, Southern Agricultural Economics Association, 1998-1999.
- Past-President, Southern Agricultural Economics Association, 1999-2000.
- Nominating Committee, Southern Agricultural Economics Association, 2006-2007.

### National

- Member of the Nominating Committee, American Agricultural Economics Association, 1989-1990.
- Member of the Membership Committee, American Agricultural Economics Association, 1989-1993.
- Vice-President, Gamma Sigma Delta, The Honor Society of Agriculture, Texas Tech University Chapter, 1991-1992.
- President, Gamma Sigma Delta, The Honor Society of Agriculture, Texas Tech University Chapter, 1992-1993.
- Past-President, Gamma Sigma Delta, The Honor Society of Agriculture, Texas Tech University Chapter, 1993-1994.
- Member of the Task Force on Recommendations for Commodity Costs and Returns and Measurement Methods, American Agricultural Economics Association, 1992-1998.
- Member of the Ad-Hoc Committee on Professional Relations with Cuba, American Agricultural Economics Association, 1994-1995.
- Member of the Distinguished Policy Contribution Committee, American Agricultural Economics Association, 1994-1997 (Chair 1996-1997).
- Vice-Chairman (Panel Discussion Presentation Organizer), 1997 Beltwide Cotton Economics and Marketing Conference, National Cotton Council of America, 1996-1997.
- Chairman, 1998 Beltwide Cotton Economics and Marketing Conference, National Cotton Council of America, 1997-1998.
- Editor - Economics and Marketing Section, Journal of Cotton Science, 1997-2000.
- Member of the Planning Committee for the Southern Association of Agricultural Scientists Centennial Plenary Program –A Successful Past & Promising Future, 1998-1999.
- Member - Elect, American Agricultural Economics Association Foundation Governing Board, 2000-2003.
- Vice-President for Programs, American Agricultural Economics Association Foundation, 2000-2001.

- President, American Agricultural Economics Association Foundation, 2001-2002.
- Past-President, American Agricultural Economics Association Foundation, 2002-2003.
- Member of the Finance Committee, American Agricultural Economics Association Foundation, 2002-2003.
- Topic Leader Coordinator - Productivity Analysis and Emerging Technologies Sections for the 2005 American Agricultural Economics Association meetings, 2004-2005.
- Member of the AAEA Galbraith Forum and Awards Committee, American Agricultural Economics Association, 2006-2007.
- United States Department of Agriculture - ERS Helious Award panel member and coordinator, 2007.

## International

- Rapporteur of the Balancing Overproduction and Malnutrition Discussion Group at the XIX Conference of the International Association of Agricultural Economists, August 26 - September 5, 1985, Malaga, Spain.
- Chairperson of "The Role of Technology: Making Agriculture Competitive in the 21<sup>st</sup> Century" Discussion Group at the XXII Conference of the International Association of Agricultural Economists, August 22-29, 1994, Harare, Zimbabwe.
- Member of the Advisory Board of the Oman Journal of Agricultural Sciences published by Sultan Qaboos University, Sultanate of Oman, 1994-2000.
- Evaluator of nominations for the research award "Premio de Investigacion UANL," Universidad Autonoma de Nuevo Leon, Monterrey, Mexico, 1995 and 1996.
- Member of the Organizing Committee for the XXIII Conference of the International Association of Agricultural Economists, 1997, Sacramento, California, 1995-1997.
- Member of the Agri-Systems Research and Extension Network of North America (ARENNA), 1995-1999.
- External reviewer, Ph.D. Dissertation in Commerce - "An Economic Evaluation of the Impact of Service Area Approach on Farm Economy - A Micro Study" by Kshiti Bhusan Das, Utkal University, Vani Vihar, Bhubaneswar, India, June 1996.
- Member of the Agriculture and Sustainable Development - Rapid Response Team, Texas International Education Consortium, 1997-2001.
- Council Member - Elect, International Association of Agricultural Economists Council -- U.S. Representative, 1999-2004.
- Chair - U.S. Council, International Association of Agricultural Economists Council, 2002 -2004.
- External reviewer, appointment and tenure of Dr. Dilawar Khan, Kohat University of Science and Technology (KUST), Khyber Pakhtunkhwa, Pakistan, September 2015.
- Member of the Athens Institute for Education and Research, Athens, Greece, January 2016.

## Other Service

- Reviewer of research proposals submitted to: the Chesapeake Bay Executive Council; the Economic Research Service, United States Department of Agriculture; the Southern Region United States Department of Agriculture's Sustainable Agriculture Research and Education Program; the Southern Region United States Department of Agriculture & Environmental Protection Agency - Agriculture in Concert with the Environment Program; the United States Department of Agriculture's National Research Initiative Research Program (panel member and reviewer 1994, 2001, 2005, and 2014; reviewer 1995, 1996, 1997, 1998, 1999, 2000, 2002, 2003 and 2004); United States Department of Agriculture's Small Business Innovation Research Program; the College of Agricultural Sciences, University of Delaware; the Seed Grant Program, Texas Tech University; the International Cotton Research Center, Texas Tech University; and the International Fund for Agricultural Development of the United Nations.
- Review of faculty members considered for promotion and/or tenure at McAllester College (1995), Oklahoma State University (1996 and 1998), the University of Arkansas (1995 and 1998), the University of Georgia (1997), West Virginia University (1999), the University of Kentucky (1999 and 2002), Louisiana State University (2000), and the University of Tennessee (2001).



- Internal reviewer of dossiers of numerous Departmental and non-Departmental faculty members being considered for promotion and/or tenure at Texas A&M University and Texas Tech University.
- Frequent reviewer of numerous selected papers considered for presentation at the annual meetings of SAEA, WAEA, AAFA, Beltwide Cotton Conferences, and the triennial meetings of IAAE.
- Reviewer of manuscripts for: Agricultural Economics, American Journal of Agricultural Economics, Canadian Journal of Agricultural Economics, Environmental Management, Journal of Cotton Science, Journal of Environmental Economics and Management, Oman Journal of Agricultural Sciences, Journal of Agricultural and Applied Economics, Journal of Agricultural and Resource Economics, Agricultural and Resource Economics Review, Review of Agricultural Economics, Risk Decision and Policy, Journal of Production Agriculture, Journal of Agribusiness, Agribusiness: An International Journal, Water Resources Research, and Texas Journal of Agriculture and Natural Resources.
- Member, Board of Directors, Texas Tech Federal Credit Union, 2008 – 2015.
- Member, Board of Directors, Ransom Canyon Memorial Chapel – Ransom Canyon, Texas, 2011 – 2014.

## **Committee Assignments**

### **Departmental Level and Department of Agricultural and Applied Economics, Texas Tech University**

- Member of the Faculty and Staff Awards Committee, 1987-1989 and 1999-present (Chair 1999-2001 and 2005-2013).
- Member of the Graduate Programs Committee, 1988-present (Chair 2000-2005).
- Member of the Ph.D. Comprehensive Examination Committee, 1989-1998.
- Faculty Advisor to the Agricultural Economics Undergraduate Student Association, 1989-1991, 1995-1997, and 2000-2002.
- Chair of the Student Award, Scholarship, and Student Recruitment Committee, 1989-1993.
- Member of the Special Committee on the Agricultural Economics' Research Position, 1990.
- Member of the Special Committee on the Graduate and Special Programs, 1991.
- Faculty Advisor to the Agricultural Economics Graduate Student Association, 1991-1994.
- Chair of the Search Committee, Agricultural Finance Position, 1993.
- Member of the Undergraduate Curriculum Review Committee, 1993-1994.
- Member of the Internship Committee, 1993-2005 (Chair 1998-2005).
- Member of the MBA in Agribusiness Program Committee, 1994.
- Member of the Dean Hughes Memorial Lecture Committee, 1995-2000.
- Member of the Search Committee, General Economics Position, Department of Economics and Geography, 1995-1996.
- Member of the Junior Faculty Evaluation Committee - PSS, 1995.
- Chair of the Search Committee, Chairperson of the Department of Agricultural and Applied Economics Position, 1997.
- Member of the Vision for the Future Committee, Department of Agricultural Education and Communication, 1997-2000.
- Chair of the Research Program Evaluation Committee, 1997-98.
- Member of the Junior Faculty Evaluation Committee – PSS, 1998.
- Member of the Search Committee, Marketing Economics Position, 1998.
- Member of the Search Committee, International Trade and Policy Position, 1999.
- Member of the mentoring committee for Dr. Peter Dotray, Department of Plant and Soil Science, 1999-2002
- External Member of the Promotion and Tenure Committee, Department of Plant and Soil Sciences, 2000.
- Member of the Junior Faculty Evaluation Committee, Department of Agricultural Education and Communication, 2001.
- Member of the Search Committee, Production Economics Position, 2001.
- Member of the Junior Faculty Evaluation Committee, Department of Plant and Soil Science, 2002.
- Chair of the Junior Faculty Evaluation Committee, 2002.

- External Member of the Promotion and Tenure Committee, Department of Agricultural Education and Communications, 2002.
- Member of the mentoring committee for Dr. Robert Wright, Department of Plant and Soil Science, 2002-2005.
- Chair of the mentoring committee for Dr. Roderick Rejesus, Department of Agricultural and Applied Economics, 2003-2005.
- Member of the Three Year Peer Review for Dr. David Willis, Department of Agricultural and Applied Economics, 2004.
- Chair of the Search Committee, Water Policy Position, 2005.
- Member of Search Committee - Plant Physiology, Department of Plant and Soil Sciences, 2005.
- Member of the Promotion and Tenure Committee, Department of Plant and Soil Sciences, 2006.
- Member of the Promotion and Tenure Committee, Department of Plant and Soil Sciences, 2008.
- Member of the Promotion and Tenure Committee, Department of Animal and Food Sciences, 2008.
- Chair of the search committee, Agricultural Competitiveness Endowed Chair position, 2008.
- Member of the Promotion Review Committee, Department of Plant and Soil Sciences, 2010.
- Member of the Promotion Review Committee, Department of Economics, 2011.
- Member of the Three Year Peer Review for Dr. Robert Cox, Department of Natural Resources Management, 2011.
- Member of the Promotion and Tenure Committee, Department of Plant and Soil Sciences, 2014.

#### **College Level and College of Agricultural Sciences and Natural Resources, Texas Tech University**

- Member of the Scholarships and Awards Committee, 1989-1993.
- Member of the Development Committee, 1992-1993.
- Member of the Ag Awareness Week Planning Committee (Founder of the Ag Awareness Week activities), 1992-1994 (Chair 1992-1993).
- Member of the Strategic Planning and Visioning Committee, 1993-2000 and 2005-2013 (Chair 1997-2000, and 2006-2013).
- Member of the Distance Learning Task Force, 1993-1998.
- Member of the International Affairs Committee, 1994-1999.
- Member of the Search Committee, Director of Development and External Relations, 1996-1997.
- External Member of the Promotion and Tenure Committee, College of Human Sciences, 2000-2001.
- Member of the Tenure, Promotion, and Exit Interview Committee, 2000-2003.
- Member of the Selection Committee, Barnie E. Rushing Research Award - College of Agricultural Sciences and Natural Resources' nominee, 2001 and 2002.
- Member of the Recruiting and Retention Committee, 2001-2004 (Chair 2003-2004).
- Member of the Mediation Committee, 2004-2005.
- Member of CASNR's Administrative Council, 2005-2013.
- Member of the Graduate School Travel Funding Focus Group, Graduate School, 2008 – 2009.

#### **University Level, Texas Tech University**

- Member of the International Education Committee, 1988-1991.
- Member of the Who's Who Selection Committee, 1991-1993.
- Member of the Ad Hoc Committee for Incoming International Faculty, 1993-1994.
- Member of the International Affairs Council, 1994-1998.
- Member of the Search Committee, Dean of the College of Agricultural Sciences and Natural Resources, 1996-1997.
- Member of the Texas Tech University National Collegiate Athletic Association (NCAA) Re-Certification Committee - Fiscal Integrity Subcommittee, 1998-1999.

- Member of the CLEAR (Community of Learners, Educators and Researchers) Leadership Committee-College of Agricultural Sciences and Natural Resources representative, 1998-2006.
- Member of the Program Review Committee for the Animal Science and Food Technology Graduate Program - The Graduate School, 2000.
- Member of the Search Committee, Vice President for Research, Graduate Studies and Technology Transfer, 2000-2001.
- Member of the Athletic Council, 2001-present.
- Chair of the Fiscal Integrity Committee, Athletic Council, 2001-2003.
- Member of the International Education Fee Scholarship Committee, 2001-2002.
- Member of the Selection Committee, Chancellor's Distinguished Research Award, 2001 and 2002.
- Member of the Search Committee, Provost, 2001 - 2002.
- Member of the Search Committee, Associate Provost and Director for the Office of International Affairs, 2002.
- Member of the Search Committee, President, 2003.
- Vice-Chair of the Athletic Council, 2003-2012.
- Ex-Officio Member of the Fiscal Integrity Committee, Athletic Council, 2003-present.
- Ex-Officio Member of the Commitment to Equity Committee, Athletic Council, 2003-present.
- Member of the President's Budget Advisory Council, 2003-2006.
- Member of the Water Initiative Advisory Council, 2005.
- Member of the NCAA Self-Study Subcommittee on Governance and Commitment to Rules Compliance, Texas Tech University's NCAA certification (re-certification) process, 2007-2008.
- Judge – Graduate Student Poster Competition, Graduate School, 2008, 2011, 2012, and 2014.
- Member of the President's Diversity & Equity Advisory Council, 2012-2015.
- Chair of the Athletic Academic & Life Skills Programs Review Committee, Texas Tech University, 2012.
- Member of the Board of Directors, Free Market Institute – Rawls College of Business Administration, Texas Tech University, 2013 – present.

**Texas Agricultural Experiment Station (TAES), Texas Agricultural Extension Service (TAEX), and the College of Agricultural and Life Sciences (COALS), Texas A&M University**

- Member of the Strategic Planning Committee for the Agricultural Research and Extension Center, Lubbock / Halfway, TAES and TAEX, 1993.
- Co-Facilitator, World Markets for Food, Fiber, and Agricultural Products Issue Work Group, The Texas Agricultural Summit: Setting the Course for the 21<sup>st</sup> Century, COALS, 1993.
- Member of the Advisory Committee, Center for Natural Resources Information Technology, Blackland Research Center, Temple, TAES, 1993-1994.
- Member of the Tour Coordination Committee, 1994 Field Day, Agricultural Research and Extension Center, Lubbock / Halfway, TAES, 1994.
- Member of the Welcoming Committee, 1994 and 1995 Field Days, Agricultural Research and Extension Center, Lubbock / Halfway, TAES, 1994 and 1995.
- Member of the Planning Committee for the 1995 Livestock and Poultry Manure Management Conference, TAEX, 1994-1995.
- Member of the Texas Agricultural Extension Service Task Force of West Texas for International Trade, TAEX, 1994-2000.
- Member of the Texas Agricultural and Natural Resource Summit Leadership Council, COALS, 1994-1996.
- Member of Agricultural Competitiveness Task Force, Texas Agricultural and Natural Resource Summit Initiative, COALS, 1995-1997.
- Member of the Texas A&M/Texas Tech Boll Weevil Assessment Task Force, TAES and Texas Tech, 1996.
- Member of the Rural Development and Community Sustainability Directional Emphasis Team, COALS, 1996-1999.
- Member of the Water Resource Management Steering Committee, Texas High and Rolling Plains, TAES and TAEX, 1996-2000.

- Member of the Search Committee, Resident Director for Research - Lubbock, TAES, 1997-1998.
- Member of the Grain Sorghum Research Task Force, TAES, 1998-1999.
- Member of the PROFIT Initiative Advisory Panel, COALS, 2000-2003.
- Member of the Planning Committee for the International Agricultural Trade Summit, Agricultural and Natural Resources Summit Initiative: Setting the Course for the 21<sup>st</sup> Century, COALS, 2000.
- Facilitator, World Markets for Food, Fiber, and other Agricultural Commodities - Issues to Consider in Setting the State and Federal Agendas Work Group, The International Agricultural Trade Summit: Setting the Course for the 21<sup>st</sup> Century, COALS, 2000.
- Member of the Agriculture Program Peer Review (Promotion and Tenure) Committee, COALS, 2000-2002.

## Publications and Presentations

- Total number of Referred Journal Articles - 76
- Total number of Book - Chapters/Sections in Books - Book Review - 6
- Total number of Refereed and Peer Reviewed Proceedings of Presented Manuscripts - 88
- Total number of Abstracts of Refereed Presented Manuscripts - 70
- Total number of Peer Reviewed Technical Publications and Presentations -110
- Total number of Other Professional Presentations – 59

### Referred Journal Articles

- Burst, A., and E. Segarra. 1982. An Analysis of Mexican Agricultural Price Policies. Revista Ensayos de Economia, IV(1): 1-53. **RJA-1**
- Segarra, E. 1985. La Maximizacion de Beneficios Bajo Restricciones Estocasticas de Perdida de Suelo: El Caso del Area Denominada Piedmont Bright Leaf. Revista Ensayos de Economia, VII(2): 1-19. **RJA-2**
- Segarra, E., R. A. Kramer, and D. B. Taylor. 1985. A Stochastic Programming Analysis of the Farm Level Implications of Soil Erosion Control. Southern Journal of Agricultural Economics, 17(2): 147-154. **RJA-3**
- Segarra, E., and D. B. Taylor. 1987. Farm Level Dynamic Analysis of Soil Conservation: An Application to the Piedmont Area of Virginia. Southern Journal of Agricultural Economics, 19(2): 61-73. **RJA-4**
- Ervin, R. T., and E. Segarra. 1989. Agricultural Economists and Multidisciplinary Research: Comment. American Journal of Agricultural Economics, 71(2): 437-438. **RJA-5**
- Segarra, E. 1989. Trade Liberalization: The Challenge for Southern Agriculture. Journal of Agribusiness, 7(1): 28-31. **RJA-6**
- Keeling, J. W., E. Segarra, and J. R. Abernathy. 1989. Evaluation of Conservation Tillage Cropping Systems for Cotton on the Texas Southern High Plains. Journal of Production Agriculture, 2(3): 269-273. **RJA-7**
- Segarra, E., D. E. Ethridge, C. R. Deussen, and A. B. Onken. 1989. Nitrogen Carry-Over Impacts in Irrigated Cotton Production, Southern High Plains of Texas. Western Journal of Agricultural Economics, 14(2):300-309. **RJA-8**
- Hutton, J. D., E. Segarra, R. T. Ervin, and J. W. Graves. 1989. Economic Feasibility of Conversion to a Low Energy Precision Application Irrigation System in the Texas High Plains. Texas Journal of Agriculture and Natural Resources, 3(1): 11-14. **RJA-9**
- Eggert, S. D., R. T. Ervin, and E. Segarra. 1990. Economic Analysis of Controlling a Potential Pest Threat to Texas: Whitefringed Beetle. Applied Agricultural Research, 5(2): 77-81. **RJA-10**
- Kim, C. S., G. D. Schaible, and E. Segarra. 1990. The Deterministic Equivalents of Chance-Constrained Programming. The Journal of Agricultural Economics Research, 42(2): 30-38. **RJA-11**
- Huang, W., B. Hyberg, and E. Segarra. 1990. A Variable Price Support Program: A Transition Tool to a Free Market. Southern Journal of Agricultural Economics, 22(1): 133-143. **RJA-12**
- Hill, K., E. Segarra, R. T. Ervin, and W. L. Lyle. 1990. Low Energy Precision Application Irrigation for Cotton Production in the Texas Southern High Plains. Texas Journal of Agriculture and Natural Resources, 4(1): 39-41. **RJA-13**
- Segarra, E., R. T. Ervin, M. R. Dicks, and D. B. Taylor. 1991. On-site and Off-site Impacts of Soil Erosion: Their Implications for Soil Conservation Policy. Resources, Conservation, and Recycling, 5(1991): 1-19. **RJA-14**
- Segarra, E., J. W. Keeling, and J. R. Abernathy. 1991. Tillage and Cropping System Effects on Cotton Yield and Profitability in the Texas Southern High Plains. Journal of Production Agriculture, 4(4): 566-571. **RJA-15**
- Feng, Y., and E. Segarra. 1992. Forecasting the Use of Irrigation Systems with Transition Probabilities in Texas. Texas Journal of Agriculture and Natural Resources, 5(1): 59-66. **RJA-16**
- Segarra, E. 1992. The Proposed United States-Mexico-Canada North American Free Trade Agreement: The Mexican Perspective. Southern Journal of Agricultural Economics, 24(1): 45-54. **RJA-17**
- Segarra, E., C. Gwinn, W. P. Morrison, and J. R. Abernathy. 1993. Economics of Pesticide Regulation on Sorghum Production in the U.S. and Texas. Texas Journal of Agriculture and Natural Resources, 6(1): 55-67. **RJA-18**
- Carroll, S. C., D. R. Rummel, and E. Segarra. 1993. Overwintering by the Boll Weevil (Coleoptera: Curculionidae) in Conservation Reserve Program Grasses on the Texas High Plains. Journal of Economic Entomology, 86(2): 382-393. **RJA-19**

- Rosson III, C. P., E. E. Davis, A. Angel, and E. Segarra. 1993. Free Trade Agreement Impacts on US-Mexican Meat Trade. Agribusiness: An International Journal, 9(2): 159-173. **RJA-20**
- Segarra, E., and Y. Feng. 1994. Irrigation Technology Adoption in the Texas High Plains. Texas Journal of Agriculture and Natural Resources, 7(1): 71-83. **RJA-21**
- Segarra, E., G. A. Goar, and W. L. Harman. 1994. Optimal Wheat Grain and Winter Pasture Production Strategies in the Texas High Plains. Journal of the American Society of Farm Managers and Rural Appraisers, 58(1): 135-143. **RJA-22**
- Johnson, P. N., and E. Segarra. 1995. An Evaluation of Post Conservation Reserve Program Alternatives in the Texas High Plains. Journal of Agricultural and Applied Economics, 27(2): 556-564. **RJA-23**
- Segarra, E. 1995. Agotamiento de una Fuente de Agua Subterranea: El Papel de la Adopcion de la Tecnologia del Riego. El Campo, 132(1): 49-61. **RJA-24**
- Segarra, E., W. P. Morrison, J. R. Abernathy, and C. Gwinn. 1996. Economic Impacts of Pesticide Availability in U.S. Sorghum Production. Journal of Agribusiness, 14(1): 63-81. **RJA-25**
- Stanaland, B., S. K. Misra, E. Segarra, and R. Lacewell. 1996. Producer Response to a Subsidized Agricultural Water Conservation Loan Program. Texas Journal of Agricultural and Natural Resources, 9(1): 79-87. **RJA-26**
- Segarra, E., M. R. Darwish, and D. E. Ethridge. 1996. Returns to Municipalities from Integrating Crop Production with Wastewater Disposal. Resources, Conservation and Recycling, 17(1996): 97-107. **RJA-27**
- Johnson, J. L., and E. Segarra. 1996. The Economic Impacts of Agricultural Sustainability: An Application to Irrigated Cotton Production. Journal of the American Society of Farm Managers and Rural Appraisers, 60(1): 93-100. **RJA-28**
- Michaud, M., E. Segarra, and T. Dodd. 1997. The Marketing Channels of the Texas Wine and Wine Grape Industry and their Economic Impacts. International Journal of Wine Marketing, 9(1): 18-30. **RJA-29**
- Bennett, B., M. Middleton, E. Segarra, and J. W. Keeling. 1997. Economics of Yield and Returns Variability with Dryland Cropping Systems. Texas Journal of Agricultural and Natural Resources, 10(1): 65-75. **RJA-30**
- Segarra, E. 1998. Current State and Future Directions of SAEA. Journal of Agricultural and Applied Economics, 30(1): 1-19. **RJA-31**
- Michaud, M., T. Dodd, and E. Segarra. 1998. The Structure and Economic Impacts of the Texas Vitivinicultural Sector (Structure et impacts économiques du secteur vitivinicole texan). Bulletin de l'O.I.V., 71(2): 284-305. **RJA-32**
- Hudson, D., D. E. Ethridge, and E. Segarra. 1998. Incorrect Price Information for a Heterogeneous Commodity: A Conceptual Synthesis. Review of Agricultural Economics, 20(2): 365-376. **RJA-33**
- Michaud, M., E. Segarra, and T. Dodd. 1998. From Texas Vineyards to the Final Consumer: An Economic Impact Analysis. Texas Journal of Agricultural and Natural Resources, 11(1): 31-40. **RJA-34**
- Arabiyat, T. S., E. Segarra, and D. B. Willis. 1999. Sophisticated Irrigation Technology and Biotechnology Adoption: Impacts on Ground Water Conservation. AgBioForum, 2(2): 132-136 (located in the World Wide Web: <http://www.agbioforum.missouri.edu>). **RJA-35**
- Archer, T., E. Segarra, and E. D. Bynum, Jr. 1999. Greenbug Resistance Management on Sorghum with Insecticide Mixtures: A Biological and Economic Analysis. Journal of Economic Entomology, 92(4):794-803. **RJA-36**
- Middleton, M., P. Johnson, and E. Segarra. 1999. Economic Impacts of Plant Biotechnology in the Northern Plains Region of Texas. Texas Journal of Agricultural and Natural Resources, 12(1): 62-79. **RJA-37**
- Teal, S., E. Segarra, C. Barr, and B. Dress. 1999. The Cost of Red Imported Fire Ant Infestation: The Case of the Texas Cattle Industry. Texas Journal of Agricultural and Natural Resources, 12(1): 88-97. **RJA-38**
- Misra, S. K., B. D. McPeck, and E. Segarra. 2000. Optimal Structure of the Ginning Industry in the Southern High Plains of Texas. Review of Agricultural Economics, 22(1): 120-133. **RJA-39**
- Bordovsky, J. P., W. M. Lyle, and E. Segarra. 2000. Economic Evaluation of Texas High Plains Cotton Irrigated by LEPA and Subsurface Drip. Texas Journal of Agricultural and Natural Resources, 13(1): 67-73. **RJA-40**
- Machado, S., E. D. Bynum, Jr., T. L. Archer, R. J. Lascano, L. T. Wilson, J. Bordovsky, E. Segarra, K. Bronson, D. M. Smith, and W. Xu. 2000. Spatial and Temporal Variability of Corn Grain Yield: Site-Specific Relationships of Biotic and Abiotic Factors. Precision Agriculture, 2(4): 359-376. **RJA-41**
- Allen, V. G., and E. Segarra. 2001. Anti-quality Components in Forage: Overview, Significance, and Economic Impact. Journal of Range Management, 54(4): 409-412. **RJA-42**

- Arabiyat, T. S., E. Segarra, and J. L. Johnson. 2001. Technology Adoption in Agriculture: Implications for Ground Water Conservation in the Texas High Plains. Resources, Conservation and Recycling, 32(2001): 147-156. **RJA-43**
- Li, H., R. J. Lascano, E. M. Barnes, J. Booker, L. T. Wilson, K. F. Bronson, and E. Segarra. 2001. Multispectral Reflectance of Cotton Related to Plant Growth, Soil Water and Texture, and Site Elevation. Agronomy Journal, 93(6): 1327-1337. **RJA-44**
- Johnson, J., P. Johnson, D. Willis, E. Segarra, R. Lacewell, D. Ethridge, J. Ellis, and S. Amosson. 2001. Estimating the Potential to Reduce Agricultural Irrigation Water Demand in West Central Texas. Texas Journal of Agricultural and Natural Resources, 14(1): 133-143. **RJA-45**
- Machado, S., E. D. Bynum, Jr., T. L. Archer, R. J. Lascano, L. T. Wilson, J. Bordovsky, E. Segarra, K. Bronson, D. M. Nesmith, and W. Xu. 2002. Spatial and Temporal Variability of Sorghum Grain Yield: Influence of Soil, Water, Pests, and Diseases Relationships. Precision Agriculture, 3(4): 389-406. **RJA-46**
- Machado, S., E. D. Bynum, Jr., T. L. Archer, R. J. Lascano, L. T. Wilson, J. Bordovsky, E. Segarra, K. Bronson, D. M. Nesmith, and W. Xu. 2002. Spatial and Temporal Variability of Corn Growth and Grain Yield: Implications for Site Specific Farming. Crop Science, 42(5): 1564-1576. **RJA-47**
- Li, H., R. J. Lascano, J. Booker, L. T. Wilson, and E. Segarra. 2002. State-Space Description of Field Heterogeneity: Water and Nitrogen Use in Cotton. Soil Science Society of America Journal, 66(2): 585-595. **RJA-48**
- Terrell, B. L., P. N. Johnson, and E. Segarra. 2002. Ogallala Aquifer Depletion: Economic Impact on the Texas High Plains. Water Policy, 41(1): 33-46. **RJA-49**
- Chua, T.T., K.F. Bronson, J.D. Booker, J.W. Keeling, A.R. Mosier, J.P. Bordovsky, R.J. Lascano, C.J. Green, and E. Segarra. 2003. In-Season Nitrogen Status Sensing in Irrigated Cotton: I. Yields and Nitrogen-15 Recovery. Soil Science Society of America Journal, 67(4): 1428-1438. **RJA-50**
- Yu, M., E. Segarra, R. Lascano, and J. Booker. 2003. Economic Impacts of Precision Farming in Irrigated Cotton Production. Texas Journal of Agricultural and Natural Resources, 16(1): 1-14. **RJA-51**
- Velandia, M., R. M. Rejesus, E. Segarra, and K. Bronson. 2004. Un Analisis Economico de la Aproximacion Estadistica Para el Establecimiento de Zonas de Manejo en Agricultura de Precision: El Caso de Algodon en Texas. Revista de Desarrollo y Sociedad, 54(9): 253-273. **RJA-52**
- Watson, S., E. Segarra, M. Yu, H. Li, R. Lascano, K. Bronson, and J. Booker. 2004. Technological Efficiency Gains in Irrigated Cotton Production. Texas Journal of Agricultural and Natural Resources, 17(1): 72-86. **RJA-53**
- Allen, V. G., P. Brown, R. Kellison, E. Segarra, T. Wheeler, P. A. Dotray, J. C. Conkwright, C. J. Green, and V. Acosta-Martinez. 2005. Integrating Cotton and Beef Production to Reduce Water Withdrawal from the Ogallala Aquifer in the Southern High Plains Region. Agronomy Journal, 97(2): 556-576. **RJA-54**
- Harman, W. L., S. J. Maas, R. E. McDonald, N. Musunuru, and E. Segarra. 2005. Economic Impacts of Seasonal Weather Information in Dryland Grain Sorghum Production. Southwestern Journal of Economics, 7(1): 78-95. **RJA-55**
- Watson, S., E. Segarra, R. Lascano, K. Bronson, and A. M. Schubert. 2005. Guidelines for Recommending Precision Agriculture in Southern Crops. Journal of Extension, 43(2):2RIB7 (www.joe.org). **RJA-56**
- Renteria, S., S. Mohanty, E. Segarra, and S. Pan. 2006. A Future Perspective in Indian Grain Self-Sufficiency and Its Implications for Trade. Indian Journal of Economics and Business, 5(2): 165-186. **RJA-57**
- Johnson, P. J., J. Blackshear, and E. Segarra. 2006. Economics of Irrigated Cotton-Grain Sorghum Rotations in the Southern High Plains of Texas. Southwestern Economic Review, 33(1): 161-172. **RJA-58**
- Bronson, K.F., J.D. Booker, J. Bordovsky, J.W. Keeling, T.A. Wheeler, R.K. Boman, M.N. Parajulee, E. Segarra, and R.L. Nichols. 2006. Site-specific Irrigation and Nitrogen Management for Cotton Production in the Southern High Plains. Agronomy Journal, 98(2006): 212-219. **RJA-59**
- Yu, M., F. Ewell, E. Segarra, R. Lascano, J. Booker, and X. Yu. 2007. Economic Impacts of Precision Farming in Corn Production. Southwestern Journal of Economics 10(1): 86-99. **RJA-60**
- Allen, V. G., M. T. Baker, E. Segarra, and C. P. Brown. 2007. Integrated Irrigated Crop-Livestock Systems in Dry Climates. Agronomy Journal, 99(2007): 346-360. **RJA-61**
- Musunuru, N., E. Segarra, W. Harman, S. Misra, and S. Maas. 2007. Use of Expected Weather Information on Dryland Wheat Production in Texas High Plains. Texas Journal of Agricultural and Natural Resources, 20(1): 10-21. **RJA-62**

- Seo, S., E. Segarra, P. D. Mitchell, and D. J. Leatham. 2008. Irrigation Technology Adoption and Its Implications for Water Conservation in the Texas High Plains: A Real Options Approach. Agricultural Economics, 38(2008): 47-55. **RJA-63**
- Allen, V. G., C. P. Brown, E. Segarra, C. J. Green, T. A. Wheeler, V. Acosta-Martinez, and T. M. Zobeck. 2008. In Search of Sustainable Agricultural Systems for the Llano Estacado of the U. S. Southern High Plains. Agricultural Ecosystems and Environment, 124(2008): 3-12. **RJA-64**
- Wheeler-Cook, E., Segarra, E., Johnson, P., Johnson, J., and Willis, D. 2008. "Water Conservation Policy Evaluation: The Case of the Southern Ogallala Aquifer." Texas Journal of Agriculture and Natural Resources, 21:89-102 (1). **RJA-65**
- Velandia, M., R. M. Rejesus, K. Bronson, and E. Segarra. 2008. Economics of Management Zone Delineation in Cotton Precision Agriculture." Journal of Cotton Science 12(2008): 210-227. **RJA-66**
- Johnson, J., P. Johnson, E. Segarra and D. Willis. 2009. Water Conservation Policy Alternatives for the Ogallala Aquifer in Texas. Water Policy, 11(2009): 537-552. **RJA-67**
- Wang, C. and E. Segarra. 2011. The Economics of Commonly Owned Groundwater When User Demand is Perfectly Inelastic. Journal of Agricultural and Resource Economics, 36(1): 95-120. **RJA-68**
- Guerrero, B., J. Johnson, S. Amosson, P. Johnson, E. Segarra, and J. Surles. 2011. Ethanol Production in the Southern High Plains of Texas: Impacts on the Economy and Scarce Water Resource. Journal of Regional Analysis and Policy, 41.1(October):22-32. **RJA-69**
- Chidmi, B., and E. Segarra. 2011. Dynamics of Demand Behavior and Supermarket Performance During a Price War. Innovative Marketing, 7(4): 8-20. **RJA-70**
- Nair, S., C. Wang, E. Segarra, E. Belasco, J. Larson, M. Velandia, D. Lambert, and J. Reeves. 2011. Adoption of Precision Agriculture for Cotton in Southern United States. Journal of Agribusiness, 29(2): 221-241. **RJA-71**
- Nair, S., C. Wang, E. Segarra, J. Johnson, and R. Rejesus. 2012. Variable Rate Technology and Cotton Yield Response in Texas. Journal of Agricultural Science and Technology, 2(2012): 1034-1043. **RJA-72**
- Allen, V. G., C. P. Brown, R. Kellison, P. Green, C. J. Zilverberg, P. Johnson, J. Weinheimer, T. Wheeler, E. Segarra, V. Acosta-Martinez, T. Zobeck, and J. C. Conkwright. 2012. Integrating Cotton and Beef Production in the Texas Southern High Plains: I. Water Use and Measures of Productivity. Agronomy Journal, 104:1625-1642. **RJA-73**
- Li, L., C. Wang, E. Segarra, and Z. Nan. 2013. Migration, Remittances and Agricultural Productivity in Small Farming Systems of Northwest China. China Agricultural Economic Review, 5(1): 5-23. **RJA-74**
- Johnson, P., J. Zilverberg, V. G. Allen, J. Weinheimer, C. P. Brown, R. Kellison, and E. Segarra. 2013. Integrating Cotton and Beef Production in the Texas Southern High Plains: III. An Economic Evaluation. Agronomy Journal, 105:929-937. **RJA-75**
- Romero-Padilla, A., M. Hernandez-Juarez, O. A. Arana-Coronado, R. C. Garcia-Sanchez, J. Malaga, and E. Segarra. 2014. Impacto de la Produccion de Biocombustibles en Estados Unidos en el Mercado de Maiz (*Zea mays* L.). Agrociencia 48 (6): 653-665, 2014. **RJA-76**

#### **Book - Chapters/Sections in Books – Book Review**

- Sharples, J., L. Schertz, and E. Segarra. 1988. Policy Issues and Research Questions Relating to the Trade-Natural Resource Interface. Chapter in Agricultural Trade and Natural Resources: Discovering the Critical Linkages, pg. 217-223, J. Sutton, Ed., Lynne Rienner Publishing, Boulder, Colorado. **BCB-1**
- Johnson, T., B. J. Deaton, and E. Segarra. 1988. Infrastructure Investment: Alternatives and Priorities. Chapter in Local Infrastructure Investment in Rural America, pg. 261-264, T. Johnson, B. J. Deaton and E. Segarra, Eds., Westview Press, Boulder, Colorado. **BCB-2**
- Johnson, T., B. J. Deaton, and E. Segarra, Eds. 1988. Local Infrastructure Investment in Rural America, 291 pp., Westview Press, Boulder, Colorado. **BCB-3**
- Rosson III, C. P., E. E. Davis, E. Segarra, A. Angel, K. Schulthies, and D. White. 1992. NAFTA, North American Free Agreement: Effects on Agriculture, Volume II, Livestock Issues Section, pg. 1-96. American Farm Bureau Research Foundation, Park Ridge, Illinois. **BCB-4**



Velandia, M., R.M. Rejesus, E. Segarra, and K. Bronson. 2009. "Economics of Management Zone Delineation in Cotton Precision Agriculture: A Multi-Year Analysis." In F. Columbus (ed.), *Crop Yields: Economics, Management and Impact*, Nova Science Publishers: Hauppauge, NY. **BCB-5**

Segarra, E. 2011. *Sustainability Science for Watershed Landscapes* by Roumasset, J. A., K. M. Burnett, and A. M. Balisacan, eds. Singapore, Utopia Press Pte. Ltd, 2010, xxii + 346 pp. American Journal of Agricultural Economics, 93(4): 1231-1233. **BCB-6**

### **Refereed and Peer Reviewed Proceedings of Presented Manuscripts**

Segarra, E., and D. B. Taylor. 1987. Implications of Stochastic Soil Loss in Farm Planning Models. Proceedings of the 1987 National Symposium on Conservation Systems-Optimum Erosion Control at Least Cost, American Society of Agricultural Engineers Publication 08-87, pg. 141-150. Selected for presentation at the 1987 National Symposium on Conservation Systems-Optimum Erosion Control at Least Cost. Sponsored by the American Society of Agricultural Engineers, December 14-15, 1987, Chicago, Illinois. **PRO-1**

Segarra, E., D. E. Ethridge, and A. B. Onken. 1989. Effects of Nitrogen on Cotton Yields in the Southern High Plains of Texas. Proceedings of the 1989 Beltwide Cotton Conferences, pg. 431-434. Selected for presentation, 1989 Beltwide Cotton Conferences. Co-sponsored by the National Cotton Council and the Cotton Foundation, January 2-7, 1989, Nashville, Tennessee. **PRO-2**

Segarra, E. 1989. Optimizing Nitrogen Use In Cotton Production. The Proceedings of the 1989 Summer Computer Simulation Conference, pg. 722-726. The Society for Computer Simulation. Selected for presentation, 1989 Summer Computer Simulation Conference, July 24-27, 1989, Austin, Texas. **PRO-3**

Segarra E., J. W. Keeling, and J. R. Abernathy. 1990. Analysis and Evaluation of the Impacts of Cotton Harvesting Dates in the Southern High Plains of Texas. Proceedings of the 1990 Beltwide Cotton Conferences, pg. 386-390. Selected for presentation, 1990 Beltwide Cotton Conferences. Co-sponsored by the National Cotton Council and the Cotton Foundation, January 9-13, 1990, Las Vegas, Nevada. **PRO-4**

Segarra, E. 1991. Simulation Versus Mathematical Programming. Analyzing Dynamic and Stochastic Agricultural Systems: Proceedings of a Technical Symposium by the Consortium for Research and Crop Production Systems, pg. 35-69, M. E. Wetzstein and C. R. Taylor, Eds. Invited paper for presentation at the Symposium of the Consortium for Research and Crop Production Systems. Sponsored by the Resource and Technology Division, Economic Research Service, United States Department of Agriculture, June 8-10, 1987, Monticello, Illinois. **PRO-5**

Segarra, E., J. W. Keeling, and J. R. Abernathy. 1991. Relative Profitability of Cotton Cropping Systems in the Southern High Plains of Texas. Proceedings of the 1991 Beltwide Cotton Conferences, pg. 389-391. Selected for presentation, 1991 Beltwide Cotton Conferences. Co-sponsored by the National Cotton Council and the Cotton Foundation, January 8-12, 1991, San Antonio, Texas. **PRO-6**

Segarra, E. 1991. Physical, Economic and Policy Factors Influencing Nutrient Management in Agriculture. Proceedings of the 23<sup>rd</sup> Water for Texas Conference: Solutions to Non-Point Source Pollution, pg. 79-88. Invited paper for presentation at the 23<sup>rd</sup> Water for Texas Conference. Sponsored by the Texas Water Resources Institute, Water Resources Center, High Plains Underground Water Conservation District No. 1, Texas Agricultural Experiment Station, and Texas Agricultural Extension Service, December 5-6, 1990, Lubbock, Texas. **PRO-7**

Johnson, P., and E. Segarra. 1992. The Production Response of a Cotton/Grain Farm in the Southern High Plains of Texas to the Elimination of Commodity Support Programs. Proceedings of the 1992 Beltwide Cotton Conferences, pg. 364-367. Selected for presentation, 1992 Beltwide Cotton Conferences. Co-sponsored by the National Cotton Council and the Cotton Foundation, January 6-10, 1992, Nashville, Tennessee. **PRO-8**

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**PRO-10**

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Roberts, R. K., D. F. Mooney, B. C. English, J. A. Larson, D. M. Lambert, M. Velandia, S. L. Larkin, M. C. Marra, R. Rejesus, S. W. Martin, K. W. Paxton, A. Mishra, C. Wang, E. Segarra, and J. M. Reeves. 2010. Status of Cotton Precision Farming in Twelve States. Proceedings of the 2010 Beltwide Cotton Conferences, Cotton Economics and Marketing Conference Section, CD-ROM. Poster selected for presentation, 2010 Beltwide Cotton Conferences. Co-sponsored by the National Cotton Council and the Cotton Foundation, January 4-7, New Orleans, Louisiana. **PRO-71**

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Fullerton, C., P. Johnson, E. Segarra, T. Knight, and C. Quin-Trank. 2011. A Simulation Analysis of Cotton Gin Financial Viability Under Risk. Proceedings of the 2011 Beltwide Cotton Conferences, Cotton Economics and Marketing Conference Section, CD-ROM. Selected for presentation, 2011 Beltwide Cotton Conferences. Co-sponsored by the National Cotton Council and the Cotton Foundation, January 4-7, Atlanta, Georgia. **PRO-76**

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Wang, Y, C. Wang, Sheng, Z., Y. Liu, J. Bordovsky, J. Johnson, E. Segarra, "Groundwater Hydrology and Producer Water Use: An Integrated Hydro-Economic Modeling Framework." Selected Paper prepared for presentation at 68<sup>th</sup> International SWCS Annual Conference, Reno, Nevada, July 21-24, 2013. **PRO-81**

Wang, C, Z. Sheng, Y. Wang, Y. Liu, J. Bordovsky, J. Johnson, and E. Segarra. "Achieving the Desired Future Conditions for Groundwater Availability: An Integrated Hydro-Economic Modeling Framework." Selected Paper prepared for presentation at 68<sup>th</sup> International SWCS Annual Conference, Reno, Nevada, July 21-24, 2013. **PRO-82**

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**PRO-84**

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Paudel, K., B. Pokhrel, and E. Segarra. 2016. Factors Affecting the Choice of Irrigation Technologies by U.S. Cotton Producers. Proceedings of the Challenges of Natural Resource Economics and Policy 5<sup>th</sup> National Forum on Socioeconomic Research in Coastal Systems. Sponsored by the Center for Natural Resource Economics and Policy, Louisiana State University Agricultural Center, March 20-22, New Orleans, Louisiana. **PRO-88**

### **Abstracts of Refereed Presented Manuscripts**

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**ABS-1**

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**ABS-4**

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Segarra, E., and D. B. Taylor. 1987. Farm Level Dynamic Analysis of the On-site and Off-site Impacts of Soil Erosion. Abstract in American Journal of Agricultural Economics, 69(5): 1092. Selected for presentation at the annual meeting of the American Agricultural Economics Association, August 2-5, 1987, East Lansing, Michigan.

**ABS-6**

Segarra, E. 1987. Balancing Overproduction and Malnutrition: General Discussion. International Association of Agricultural Economics, Occasional Paper No. 4, Agriculture and Economic Instability, pg. 105, M.



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Lyford, C. P., F. O. Boadu, W. Peterson, F. J. Ruppel, and E. Segarra. 1990. Trade Creation and Trade Diversion Potentials: A Canada / Mexico / U. S. Free Trade Agreement. Organized symposia abstract in Southern Journal of Agricultural Economics, 22(1): 220. Selected for presentation as part of the Application of International Trade Theory to Agriculture Symposia at the annual meeting of the Southern Agricultural Economics Association, February 4-7, 1990, Little Rock, Arkansas. **ABS-13**

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**ABS-20**

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Nair, S., C. Wang, E. Segarra, E. J. Belasco, M. Velandia, and J. Reeves. 2011. Adoption of Variability Detection and Variable Rate Application Technologies by Cotton Farmers in Southern United States. Abstract in American Journal of Agricultural Economics, in press. Selected for presentation at the annual meeting of the American Association of Agricultural Economics, July 24-26, Pittsburgh, Pennsylvania. **ABS-62**

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Nair, S., C. Wang, S. Maas, T. Knight, E. Segarra, J. Johnson, S. Mauget. 2013. "Managing Weather Risk for Cotton in Texas High Plains with Optimal Temporal Allocation of Irrigation Water." Selected Paper presented at the 2013 AAEA & CAES Annual Meeting to be held in Washington, DC, August 4-6, 2013. Published online in AgEcon search, available at <http://purl.umn.edu/151222>. **ABS-68**

Paudel, K., B. Pokhrel, and E. Segarra. 2016. Factors Affecting the Choice of Irrigation Technologies by U.S. Cotton Producers. Abstract in Journal of Agricultural and Applied Economics, in press. Selected for presentation at the annual meeting of the Southern Agricultural Economics Association, February 6-9, San Antonio, Texas. **ABS-69**

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Segarra, E. 1982. A Brief Analysis of the Mexican Marketing System. Agricultural Economics Paper Series 57-82, Department of Agricultural Economics, University of Missouri-Columbia, 19 pgs., Columbia, Missouri. **TPP-1**

Segarra, E. 1982. An Analysis of Mexican Agricultural Price Policies: The Inclusion of Cross-Commodity Effects. M.S. Thesis, Department of Agricultural Economics, University of Missouri-Columbia, 137 pgs., Columbia, Missouri. **TPP-2**

Segarra, E. 1984. Maximization of Profits Under Stochastic Soil Loss Constraints. Staff Paper SP-84-6, Department of Agricultural Economics, Virginia Polytechnic Institute and State University, 16 pgs., Blacksburg, Virginia. **TPP-3**

Segarra, E. 1984. An Essay on Optimal Control Theory and Applications in Agricultural Economics. Staff Paper SP-84-9, Department of Agricultural Economics, Virginia Polytechnic Institute and State University, 30 pgs., Blacksburg, Virginia. **TPP-4**

Segarra, E., D. E. Ervin, and M. E. Bredahl. 1985. Self-Sufficiency as Food Policy in Industrializing Countries: The Mexican Case. Staff Paper SP-85-13, Department of Agricultural Economics, Virginia Polytechnic Institute and State University, 12 pgs., Blacksburg, Virginia. Selected for presentation at the XIX Conference of the International Association of Agricultural Economists, August 26-September 5, 1985, Malaga, Spain. **TPP-5**

Segarra, E. 1986. A Dynamic Analysis of the Crop Productivity Impacts of Soil Erosion: An Application to the Piedmont Area of Virginia. Ph.D. Dissertation, Department of Agricultural Economics, Virginia Polytechnic Institute and State University, 627 pgs., Blacksburg, Virginia. **TPP-6**

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Bordovsky, J., D. Porter, and E. Segarra. 2006. Irrigation Timing, Method Affects Producers' Bottom Line. Research in Review, Texas Agricultural Experiment Station, Texas A&M University, May, 2006. **TPP-91**

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Chidmi, B., and E. Segarra. 2007. The Dynamics of Price Competition in the Dallas – Fort Worth Supermarket Industry: The Case of Fluid Milk. Selected paper for presentation at the Second International Symposium on Economic Theory, Policy and Applications, August 6-7, 2007, Athens, Greece. **TPP-93**

Kellison, R., *et al.* 2008. An Integrated Approach to Water Conservation for Agriculture in the Texas Southern High Plains. Texas Alliance for Water Conservation Annual Report submitted to the Texas Water Development Board, under project number 141G-44-B819, 270 pgs., College of Agricultural Sciences and Natural Resources, Texas Tech University. **TPP-94**

Velandia, M., D.F. Mooney, D.M. Lambert, R.K. Roberts, J.A. Larson, B.C. English, S.W. Martin, S.L. Larkin, R.M. Rejesus, M.C. Marra, K.W. Paxton, A. Mishra, E. Segarra, C. Wang, and J.M. Reeves. 2009. Southern Cotton Precision Farming Survey: Preliminary Results. Precision Cotton Meetings, Austin, TX, November 10-11, 2009. **TPP-95**

Kellison, R., *et al.* 2009. An Integrated Approach to Water Conservation for Agriculture in the Texas Southern High Plains. Texas Alliance for Water Conservation Annual Report submitted to the Texas Water Development Board, under project number 141G-44-B819, 237 pgs., College of Agricultural Sciences and Natural Resources, Texas Tech University. **TPP-96**

Roberts, R. K., D. F. Mooney, B. C. English, J. A. Larson, D. M. Lambert, M. Velandia, D. Harper, S. L. Larkin, R. M. Rejesus, M. C. Marra, S. W. Martin, S. Shi, K. W. Paxton, A. Mishra, H. Niu, C. Wang, E. Segarra, S. S. Nair, and J. M. Reeves. 2010. Economics of Precision Farming Working Group: Florida, Louisiana, Mississippi, North Carolina, Tennessee, and Texas. 2009 Annual Report for Cotton Incorporated, 50 pgs. **TPP-97**

Kellison, R., *et al.* 2010. An Integrated Approach to Water Conservation for Agriculture in the Texas Southern High Plains. Texas Alliance for Water Conservation Annual Report submitted to the Texas Water Development Board, under project number 141G-44-B819, 222 pgs., College of Agricultural Sciences and Natural Resources, Texas Tech University. **TPP-98**

Roberts, R. K., D. F. Mooney, B. C. English, J. A. Larson, D. M. Lambert, M. Velandia, D. Harper, S. L. Larkin, R. M. Rejesus, M. C. Marra, S. W. Martin, S. Shi, K. W. Paxton, A. Mishra, H. Niu, C. Wang, E. Segarra, S. S. Nair, and J. M. Reeves. 2010. Economics of Precision Farming Working Group: Florida, Louisiana, Mississippi, North Carolina, Tennessee, and Texas. 2009 Research Summary Report for Cotton Incorporated, pg. 1. *In* Economics of Precision Farming Working Group: Florida, Louisiana, Mississippi, North Carolina, Tennessee, and Texas. 2009 Annual Report for Cotton Incorporated. **TPP-99**

Mooney, D. F., B. C. English, M. Velandia, J. A. Larson, R. K. Roberts, D. M. Lambert, S. L. Larkin, R. M. Rejesus, M. C. Marra, S. W. Martin, K. W. Paxton, A. Mishra, C. Wang, E. Segarra, and J. M. Reeves. 2010. Status of Cotton Precision Farming in Twelve Southern States, pg. 2 -11. *In* Economics of Precision Farming Working Group: Florida, Louisiana, Mississippi, North Carolina, Tennessee, and Texas. 2009 Annual Report for Cotton Incorporated. **TPP-100**

Mooney, D. F., R. K. Roberts, B. C. English, J. A. Larson, D. M. Lambert, M. Velandia, S. L. Larkin, R. M. Rejesus, M. C. Marra, S. W. Martin, K. W. Paxton, A. Mishra, C. Wang, E. Segarra, and J. M. Reeves. 2010. Trends in Cotton Precision Farming: 2000-2008, pg. 12 -19. *In* Economics of Precision Farming Working Group: Florida, Louisiana, Mississippi, North Carolina, Tennessee, and Texas. 2009 Annual Report for Cotton Incorporated. **TPP-101**

Nair, S. S., C. Wang, E. Segarra, and J. M. Reeves. 2010. Adoption of Precision Agriculture Practices by Cotton Growers in Texas, pg. 44 – 48. *In* Economics of Precision Farming Working Group: Florida, Louisiana, Mississippi, North Carolina, Tennessee, and Texas. 2009 Annual Report for Cotton Incorporated. **TPP-102**

Mooney, D. F., R. K. Roberts, B. C. English, D. M. Lambert, J. A. Larson, M. Velandia, S. L. Larkin, M. C. Marra, S. W. Martin, A. Mishra, K. W. Paxton, R. Rejesus, E. Segarra, C. Wang, and J. M. Reeves. 2010. Precision Farming by Cotton Producers in Twelve Southern States: Results from the 2009 Southern Cotton Precision Farming Survey. Research Series 10-02, Department of Agricultural and Resource Economics, The University of Tennessee, Knoxville, Tennessee. **TPP-103**

Guerrero, B., J. Johnson, S. Amosson, P. Johnson, E. Segarra, and J. Surles. 2010. Ethanol Production in the Southern High Plains of Texas: Impacts on the Economy and Scarce Water Resources. Texas Tech University, College of Agricultural Sciences and Natural Resources Publication No. T-1-603, 16 pgs., Lubbock, Texas. **TPP-104**

Kellison, R., *et al.* 2011. An Integrated Approach to Water Conservation for Agriculture in the Texas Southern High Plains. Texas Alliance for Water Conservation Annual Report submitted to the Texas Water Development Board, under project number 141G-44-B819, 251 pgs., College of Agricultural Sciences and Natural Resources, Texas Tech University. **TPP-105**

Kellison, R., *et al.* 2012. An Integrated Approach to Water Conservation for Agriculture in the Texas Southern High Plains. Texas Alliance for Water Conservation Annual Report submitted to the Texas Water Development Board, under project number 141G-44-B819, 280 pgs., College of Agricultural Sciences and Natural Resources, Texas Tech University. **TPP-106**

Kellison, R., *et al.* 2013. An Integrated Approach to Water Conservation for Agriculture in the Texas Southern High Plains. Texas Alliance for Water Conservation 8<sup>th</sup> Annual Report submitted to the Texas Water Development Board, under project number 141G-44-B819, 237 pgs., College of Agricultural Sciences and Natural Resources, Texas Tech University. July 2013. **TPP-107**

Xia Z. B. C. English, C. N. Boyer, R. K. Roberts, J. A. Larson, D. M. Lambert, M. Velandia, L. L. Falconer, S. W. Martin, S. L. Larkin, K. P. Paudel, A. K. Mishra, R. M. Rejesus, M. Marra, C. Wang, E., J. Johnson, and J. M. Reeves. 2014. Precision Farming by Cotton Producers in Fourteen Southern States: Results from the 2013 Southern Cotton Precision Farming Survey. Department of Agricultural and Resource Economics, The University of Tennessee, Knoxville, Tennessee. **TPP-108**

Roberts, R. K., B. C. English, J. A. Larson, D. M. Lambert, M. Velandia, C. N. Boyer, M. Buschermohle, X. Zhou, B. Edge, P. Watcharaanantapong, S. L. Larkin, B. Sancewich, A. Mishra, K. Paudel, A. R. Khanal, L. L. Falconer, S. W. Martin, R. M. Rejesus, M. C. Marra, S. Kotsiri, C. Wang, E. Segarra, S. Nair, Y. Wang, and J. M. Reeves.. 2015. Economics of Precision Farming Working Group: University of Tennessee, University of Florida, Louisiana State University, Mississippi State University, North Carolina State University, and Texas Tech University. 2015 Final Report for Cotton Incorporated. **TPP-109**

Zhou, X., B.C. English, C.N. Boyer, R.K. Roberts, J.A. Larson, D.M. Lambert, M. Velandia, L.L. Falconer, S.W. Martin, S.L. Larkin, K.P. Paudel, A.K. Mishra, R.M. Rejesus, C. Wang, E. Segarra, and J.M. Reeves. 2015. Precision Farming by Cotton Producers in Fourteen Southern States: Results from the 2013 Southern Cotton Farm Survey. Research Series 15-001, Department of Agricultural and Resource Economics, The University of Tennessee, Knoxville, Tennessee. **TPP-110**

## Other Professional Presentations

Sharples, J., L. Schertz, and E. Segarra. 1987. Questions Relating to the Trade-Natural Resource Interface. Invited address at the 1987 Workshop on Linkages Between Natural Resources and International Trade in Agricultural Commodities. Co-sponsored by the Economic Research Service, United States Department of Agriculture and the National Center for Food and Agricultural Policy, Resources for the Future, March 19-20, Washington, D.C. **OPP-1**

Segarra, E. 1988. Factores Necesarios Para Optimizar la Utilizacion de Recursos Naturales e Insumos de Produccion en el Sector Agropecuario. Invited address at the Seminario Sobre los Comportamientos de Acuíferos Subterráneos, July 25-29, San Luis de la Paz, Guanajuato, Mexico. **OPP-2**

Segarra, E. 1988. The Impacts of Agricultural International Trade Happenings on Southern Agriculture. Invited address at the Southern Region Technical Committee on International Trade S-224, November 16-18, Atlanta, Georgia. **OPP-3**

Segarra, E. 1989. Using EPIC for Improving Production Efficiency in Agricultural Production. Invited address at the 1989 Staff Conference Work Group "Cropping Systems Research: Simulations and Field Experiments," Texas A&M University, annual TAES Staff Conference, January 9-12, College Station, Texas. **OPP-4**

Segarra, E. 1989. Producer and Consumer Subsidy Equivalents of Livestock Products in Mexico. Invited address at the Southern Region Technical Committee on International Trade S-224, November 15-17, New Orleans, Louisiana. **OPP-5**

Segarra, E. 1989. El Papel de Mexico en las Negociaciones del GATT. Invited address, Facultad de Economía, Universidad Autónoma de Nuevo León, December 27, Monterrey, Nuevo León, Mexico. **OPP-6**

Segarra, E. 1990. Status and Realities of Agricultural Policies in the Mexican Agricultural Sector: Their Role in the GATT Negotiations. Invited address at the Third Mexico-Texas Exchange Commission Meetings, February 21-23, Mexico City, Mexico. **OPP-7**

Segarra, E. 1990. Southern Competitiveness in International Trade of Agricultural Commodities. Invited address at the Southern Region Technical Committee on International Trade S-224, November 14-16, Tampa, Florida. **OPP-8**

Segarra, E. 1991. Identifying Research Questions Relevant to Agro-Pastoralism in the Bolivian Altiplano. Invited address at the Sustaining Agro-Pastoral Systems in the Bolivian Altiplano: SR-CRSP Research Priorities for the Next Decade Symposium, May 14-17, Lubbock, Texas. **OPP-9**

Rosson III, C. P., E. E. Davis, E. Segarra, and A. Angel. 1991. A Summary of Potential Implications of North American Free Trade for U.S. Meats and Livestock. Testimony invited for presentation to Texas Department of Agriculture Select Committee on U.S.-Mexico Trade, Public Hearing, November 18, Weslaco, Texas. **OPP-10**

Segarra, E., J. W. Keeling, and J. R. Abernathy 1992. Alternative Cropping Systems for Cotton Production in the Texas Southern High Plains. Selected paper for presentation at the American Farm Bureau Federation 73<sup>rd</sup> meeting, January 12-16, Kansas City, Missouri. **OPP-11**

Segarra, E. 1992. The Proposed United States-Mexico-Canada North American Free Trade Agreement: The Mexican Perspective. Invited address at the annual meeting of the Southern Agricultural Economics Association, February 2-5, Lexington, Kentucky. **OPP-12**

Segarra, E. 1992. Mathematical Modeling of Agriculturally Related Issues. Invited address at the Pakistan Agricultural Research Council, April 22, Islamabad, Pakistan. **OPP-13**

Segarra, E. 1993. Agricultural Production on the Texas Southern High Plains. Poster display at the 1993 Farmer\*Stockman Show, October 12-14, Lubbock, Texas. **OPP-14**

Segarra, E. 1993. Economic Advantages of Conservation Tillage Practices. Poster display at the 1993 Farmer\*Stockman Show, October 12-14, Lubbock, Texas. **OPP-15**

Segarra, E. 1994. Economic Aspects of Pesticide Use Assessment: Issues to Consider. Invited address at the NAPIAP Workshop held during the Second National IPM Symposium/Workshop, April 19-22, Las Vegas, Nevada. **OPP-16**

Segarra, E. 1995. NAFTA: Current Status and Future Prospects. Invited address at the annual meeting of the Texas Chapter of the American Society of Farm Managers and Rural Appraisers, February 17, Lubbock, Texas. **OPP-17**

Segarra, E. 1996. Assessment of the Economic Impact of the Seed Industry in Texas. Invited address at the 64th. Annual Convention of the Texas Seed Trade Association, November 12, Austin, Texas. **OPP-18**

Segarra, E. 1997. Influence of NAFTA and Farm Programs on Grasslands. Invited address at the 1997 annual meeting of the American Forage and Grassland Council, April 14, Dallas, Texas. **OPP-19**

Segarra, E. 1997. Targeting Agricultural Research: The Role of Economic Analysis. Invited address at the Summer Meeting of the Advisory Board Meeting of the Institute for Research in Plant Stress, Texas Tech University, July 15, Lubbock, Texas. **OPP-20**

Segarra, E. 1997. El Tratado de Libre Comercio: Evolucion y Tendencias. Invited address at the Semana Internacional de Intercambio Academico del Centro Universitario de los Altos y las Universidades de Costa Rica y Texas Tech. Universidad de Guadalajara, Centro Universitario de los Altos, July 22, Tepatitlan, Jalisco, Mexico. **OPP-21**

Segarra, E. 1997. Advanced Irrigation Technology Adoption: Impacts on Depletion. Invited address at the High Plains Ogallala Area Regional Management Plan Meeting, December 11, Plainview, Texas. **OPP-22**

Segarra, E. 1998. Overview of American Agriculture. Invited address at the Institute of Eco-Environmental Economics-College of Economics and Trade, Huazhong Agricultural University, May 28, Wuhan, China. **OPP-23**

Segarra, E. 1998. Cost-Benefit Analysis Measures: Economic Evaluation of Potential Biotechnological Advances. Invited address at the Institute of Eco-Environmental Economics-College of Economics and Trade, Huazhong Agricultural University, May 29, Wuhan, China. **OPP-24**

Segarra, E. 1998. Sustainable Agricultural Practices in Agriculture: The Case of Livestock Waste Management. Invited address at the Institute of Eco-Environmental Economics-College of Economics and Trade, Huazhong Agricultural University, June 1, Wuhan, China. **OPP-25**

Segarra, E. 1998. Global Trade Issues: Lessons Learned from the North-American Free Trade Agreement (NAFTA). Invited address at the Institute of Eco-Environmental Economics-College of Economics and Trade, Huazhong Agricultural University, June 2, Wuhan, China. **OPP-26**

Segarra, E. 1998. Economic and Environmental Implications of Municipal Waste Water Re-Use in Agriculture. Invited address at the Institute of Eco-Environmental Economics-College of Economics and Trade, Huazhong Agricultural University, June 3, Wuhan, China. **OPP-27**

Teal, S., and E. Segarra. 1998. Spatial Economic Impacts of RIFA on the Texas Cattle Industry. Presented to the Management Committee of the Fire Ant Initiative Program (FARMIC), August 4, Lubbock, Texas. **OPP-28**

Segarra, E. 1998. Economics of Precision Agriculture. AG-CARES Field Day, September 15, Lamesa, Texas. **OPP-29**

Segarra, E. 1999. Economic Evaluation of Sustainable Agricultural Production Systems. Texas Tech Farm Field Day, October 1, New Deal, Texas. **OPP-30**

Segarra, E. 2000. Case Study: Development and Planning in Ecuador. Invited presentation at the 18<sup>th</sup> Annual International Management Workshop, ICASALS, Texas Tech University, May 22, Lubbock, Texas. **OPP-31**

Segarra, E., and S. Bondurant. 2000. Economic Feasibility of Precision Agriculture: The Case of Grain Sorghum. Presented to the Precision Agriculture Industry Advisory Panel, June 15, Plainview, Texas. **OPP-32**

Segarra, E. 2000. Internalization of Environmental Externality Enhancement in Neoclassical International Trade Theory. Presented to the faculty of the Department of Economics – Humboldt Universitat zu Berlin, August 23, Berlin, Germany. **OPP-33**

Segarra, E. 2000. The Economics of Sustainable Crop/Livestock Systems in the Texas High Plains. Texas Tech Farm, August 31, New Deal, Texas. **OPP-34**

Boman, R., A. Brashears, J. Gannaway, N. Hopper, E. Segarra, and E. Hequet. 2000. Harvest Timing, Bur Extracting, and Weathering Effects on Cotton Production and Quality, Ginning Characteristics, and Economics. Presented at the Fall meeting of the Cotton State Support Committee, December 8, Lubbock, Texas. **OPP-35**

Segarra, E. 2001. Agricultural Sector Planning in Ecuador. Invited presentation at the 19<sup>th</sup> Annual International Management Workshop, ICASALS, Texas Tech University, May 14, Lubbock, Texas. **OPP-36**

Segarra, E. 2002. Valuing Groundwater in Agricultural Production in the Southern High Plains of Texas. Invited Presentation at the first TeXas Economists - Economic Conference, April 10, Austin, Texas. **OPP-37**

Segarra, E. 2003. The Economics of Sustainable Crop/Livestock Systems in the Texas High Plains. Texas Tech Farm, June 17, New Deal, Texas. **OPP-38**

Segarra, E. 2003. Enhancing Your Success in Graduate School. Thesis - Dissertation Symposium - Graduate School, Texas Tech University, October 16, Lubbock, Texas. **OPP-39**

Segarra, E. 2004. The Economics of Sustainable Crop/Livestock Systems in the Texas High Plains. Texas Tech Farm, June 18, New Deal, Texas. **OPP-40**

- Lansford, V., and E. Segarra. 2005. Economic Analysis Within the Integrated Water Conservation Demonstration Project. 5<sup>th</sup>. Annual Research/Extension Symposium - The Cotton Economics Research Institute, Texas Tech University, April 7, Lubbock, Texas. **OPP-41**
- Peterson, J. M., Y. Ding, L. K. Almas, S. Amosson, W. A. Colette, J. W. Johnson, S. C. Park, E. Segarra, and E. Wheeler. 2006. Projecting Income and Hydrologic Changes in the Southern Region Using Economic Optimization Models. Ogallala Aquifer Program Workshop, March 7, Amarillo, Texas. **OPP-42**
- Segarra, E. 2006. Current State and Future Directions of PREISM. Invited presentation at the 2006 PREISM Workshop. Economic Research Service - USDA, October 20, Washington D.C. **OPP-43**
- Segarra, E. 2008. Social Welfare and Environmental Degradation Tradeoffs: The Case of Ecuador, Department of Resource Economics, University of Nevada - Reno, October 3. **OPP-44**
- Zhao, S., N. Diwash, C. Wang, E. Segarra, K. Bronson. 2010. "Optimal Input Use and Lint Attributes in the Texas High Plains." Presented at the Cotton Economic Research Institute/International Cotton Research Center Annual Research and Outreach Symposium, Lubbock, TX, April 2010. **OPP-45**
- Segarra, E. 2010. Overview of Megatrends in Agriculture Globally. Invited address at the College of Pastoral Agriculture Science and Technology, Lanzhou University, May 27, Lanzhou, China. **OPP-46**
- Segarra, E. 2010. Cost-Benefit Analysis Measures of Technology Adoption: The Case of Precision Agriculture. Invited address at the College of Pastoral Agriculture Science and Technology, Lanzhou University, May 28, Lanzhou, China. **OPP-47**
- Segarra, E. 2010. Competitive Market Operation and Social Welfare Implications. Invited lecture at the College of Pastoral Agriculture Science and Technology, Lanzhou University, June 3, Lanzhou, China. **OPP-48**
- Segarra, E. 2010. Economic Welfare and Environmental Trade-Offs: The Case of Ecuador. Invited address at the College of Pastoral Agriculture Science and Technology, Lanzhou University, June 3, Lanzhou, China. **OPP-49**
- Nair, S., C. Wang, S. Mass and E. Segarra. 2011. Spatial Allocation of Irrigation Water in Center- Pivot Irrigation. Presented at the Cotton Economic Research Institute/International Cotton Research Center Annual Research and Outreach Symposium, Lubbock, TX, March 2011. **OPP-50**
- Segarra, E. 2014. Búsqueda de Practicas Agropecuarias Economicamente Factibles y Sostenibles en las Planicies Altas de Texas. Presented at the Primer Congreso Internacional de las Praderas. Universidad Autonoma de Chihuahua. Chihuahua, Chihuahua, Mexico, April 10 -12. **OPP-51**
- Segarra, E. 2014. Comparacion de la Produccion Primaria y el Valor Agregado en las Cadenas Productivas. Presented at the Primer Congreso Internacional de las Praderas. Universidad Autonoma de Chihuahua. Chihuahua, Chihuahua, Mexico, April 10 -12. **OPP-52**
- Segarra, E. 2014. Contribuciones del Sector Agropecuario al Bienestar Social y a la Creacion de Oportunidades Economicas en los Sectores Urbanos y Rurales. Presented at the Primer Congreso Internacional de las Praderas. Universidad Autonoma de Chihuahua. Chihuahua, Chihuahua, Mexico, April 10 -12. **OPP-53**
- Segarra, E. 2015. The Relevancy of Applied Agricultural Economics Research. Invited address at the School of Arid Environment and Climate Change, Lanzhou University, July 7, Lanzhou, China. **OPP-54**
- Segarra, E. 2015. Relevancy of the Agricultural Sector in the Texas High Plains. Invited address at the School of Arid Environment and Climate Change, Lanzhou University, July 7, Lanzhou, China. **OPP-55**
- Segarra, E. 2015. Welfare Economics: Consideration of Externalities in the Agricultural Production Process, Invited address at the School of Arid Environment and Climate Change, Lanzhou University, July 7, Lanzhou, China. **OPP-56**
- Segarra, E. 2015. Social Welfare and Environmental Degradation Tradeoffs in Agriculture: The Case of Ecuador. Invited address at the School of Arid Environment and Climate Change, Lanzhou University, July 7, Lanzhou, China. **OPP-57**
- Segarra, E. 2015. Profit Maximization Revisited: Considering the Role of Hedonic Pricing. Invited address at the School of Arid Environment and Climate Change, Lanzhou University, July 8, Lanzhou, China. **OPP-58**
- Segarra, E. 2015. Precision Agriculture the Role of Science. Invited address at the School of Arid Environment and Climate Change, Lanzhou University, July 8, Lanzhou, China. **OPP-59**

## Grants/Research Projects Funded

- Total number of Travel Grants obtained - 13; funding \$31,275
- Total number of Research Projects as Principal Investigator - 21; funding \$771,230
- Total number of Research Projects as Co-Principal Investigator - 28; funding \$946,063
- Total number of Research Projects as Cooperator - 16; funding \$12,071,757/own share \$941,132
- **Summary -----**
  - Total Number of Travel Grants – 13**
  - Total Number of Research Projects – 65**
  - Total Funding Obtained - \$13,820,325**
  - Total Own Research Expenditures - \$2,689,700**

**Travel Grant.** Travel grant to attend the XIX Conference of the International Association of Agricultural Economists, Malaga, Spain. Kellogg Foundation. August 1985. Amount \$700 (through Virginia Polytechnic Institute and State University). **TGR-1**

**Principal Investigator.** Economic Analysis of Farming Systems and Related Crop Production Data. Texas Agricultural Experiment Station. October 1987 - September 1990. Amount \$110,558 (through Texas Tech University). **PIR-1**

**Principal Investigator.** Government Intervention in the Mexican Livestock Sector. Agricultural Trade Analysis Division, Economic Research Service, United States Department of Agriculture. October 1988 - September 1989. Amount \$25,000 (through Texas Tech University). **PIR-2**

**Cooperator.** Economic Implications of Alternative Farming Systems for Dryland and Irrigated Crop Production. Expanded Research, Texas Agricultural Experiment Station. September 1990 - August 1992. Amount \$64,000 (share \$5,000, through Texas A&M University). **CRP-1**

**Cooperator.** Identify Economically and Environmentally Sustainable Cropping Systems for the Texas Southern High Plains. Expanded Research, Texas Agricultural Experiment Station. September 1990 - August 1992. Amount \$122,000 (share \$10,000, through Texas A&M University). **CRP-2**

**Cooperator.** Optimizing Interaction of New Vegetable Cultivars with Cultural Practices. Expanded Research, Texas Agricultural Experiment Station. September 1990 - August 1992. Amount \$74,000 (share \$5,000, through Texas A&M University). **CRP-3**

**Cooperator.** Insect Disease, and Microclimate Interactions in Conventional Cotton vs. Cotton-Wheat Interplant Systems. Expanded Research, Texas Agricultural Experiment Station. September 1990 - August 1992. Amount \$62,000 (share \$7,000, through Texas A&M University). **CRP-4**

**Principal Investigator.** TTU AG-CARES Research. Texas Agricultural Experiment Station and College of Agricultural Sciences, Texas Tech University. October 1990 - September 1991. Amount \$14,941 (through Texas Tech University and Texas A&M University). **PIR-3**

**Travel Grant.** Travel Grant to attend the Conference on Economic Accounting for Commodity Costs and Returns, Kansas City, Missouri. American Agricultural Economics Association Foundation. February 1991. Amount \$375 (through Texas Tech University). **TGR-2**

**Travel Grant.** Travel Grant to attend a workshop on Workforce Diversification in the United States Department of Agriculture, Washington D. C. Resources and Technology Division of the Economic Research Service, United States Department of Agriculture. March 1991. Amount \$800 (through Texas Tech University). **TGR-3**

**Co-Principal Investigator.** The Proposed U.S.-Mexico Free Trade Agreement: Potential Impacts and Implications for the U.S. Livestock Industry. American Farm Bureau Federation. June 1991 - October 1991. Amount \$12,525 (through Texas A&M University). **CPI-1**

**Travel Grant.** Travel grant to attend the XXI Conference of the International Association of Agricultural Economists, Tokyo, Japan. American Agricultural Economics Association Foundation. August 1991. Amount \$1,500 (through Texas Tech University). **TGR-4**

**Principal Investigator.** Sustainable Agricultural Planning in the Southern High Plains. Texas Agricultural Experiment Station and College of Agricultural Sciences, Texas Tech University. September 1991 - August 1992. Amount \$14,477 (through Texas Tech University and Texas A&M University). **PIR-4**

**Travel Grant.** Travel grant to monitor research activities of the Pakistan Agricultural Research Council in Karachi, Lahore and Islamabad, Pakistan. Pakistan Participant Training Program and the United States Agency for International Development. April 1992. Amount \$5,000 (through Texas Tech University). **TGR-5**



**Co-Principal Investigator.** The Economics of Various Herbicide Input Levels for Weed Control in Cotton, Corn, and Grain Sorghum. Southern Regional Pesticide Impact Assessment Program, United States Department of Agriculture. June 1992 - May 1993. Amount \$14,680 (through Texas A&M University). **CPI-2**

**Cooperator.** Farm Scale Evaluation of Alternative Cotton Production Systems. Southern Regional Sustainable Agriculture Research and Education Program, United States Department of Agriculture. June 1992 - May 1993. Amount \$60,000 (share \$5,000, through Texas A&M University). **CRP-5**

**Co-Principal Investigator.** Plant and Soil N Analysis, Irrigation Technology, Economics, and N Use Efficiency. United States Department of Agriculture. October 1992 - September 1994. Amount \$59,138 (through Texas A&M University). **CPI-3**

**Co-Principal Investigator.** Integration of Fiber Research and Extension Systems. Research Enhancement Program, Texas Agricultural Experiment Station. September 1992 - August 1994. Amount \$20,000 (through Texas A&M University). **CPI-4**

**Co-Principal Investigator.** Biologic and Economic Assessment of Pesticide Use in Sorghum Production. NAPIAP, United States Department of Agriculture. October 1992 - December 1994. Amount \$52,260 (through Texas A&M University). **CPI-5**

**Principal Investigator.** Farming Systems, Marketing, and Agricultural Policy Research in Cotton. Texas Agricultural Experiment Station and College of Agricultural Sciences, Texas Tech University. September 1992 - August 1993. Amount \$18,550 (through Texas Tech University and Texas A&M University). **PIR-5**

**Principal Investigator.** An Economic Analysis of Waste Management for Texas Cattle Feedlots--An Analysis of System Alternatives and Policy Implications - and Cooperative Educational Agreement. Commodity Economics Division, Economic Research Service, United States Department of Agriculture. January 1993 - August 1994. Amount \$31,000 (through Texas Tech University). **PIR-6**

**Co-Principal Investigator.** Identification of Factors Influencing Participation of Districts and Individuals in the Agricultural Water Conservation Loan Program. Texas Water Development Board. June 1993 - August 1993. Amount \$38,024 (through Texas Tech University and Texas A&M University). **CPI-6**

**Travel Grant.** Travel grant to attend and participate in the 1993 W. K. Kellogg Foundation Exploring Rural America Workshop held at Cornell University, Ithaca, New York. W. K. Kellogg Foundation. June 1993. Amount \$1,800 (through Texas Tech University). **TGR-6**

**Principal Investigator.** Economic Feasibility of Sustainable Agricultural Systems in the Texas High Plains. Texas Agricultural Experiment Station and College of Agricultural Sciences and Natural Resources, Texas Tech University. September 1993 - August 1994. Amount \$17,076 (through Texas Tech University and Texas A&M University). **PIR-7**

**Co-Principal Investigator.** Economic Evaluation of Waste Management Strategies for Texas Cattle Feedlots. Texas Higher Education Coordinating Board under the Texas Advanced Technology Program. January 1994 - August 1996. Amount \$79,920 (through Texas Tech University and Texas A&M University). **CPI-7**

**Travel Grant.** Travel grant to attend the Grant Selection Meeting of the 1994 USDA National Research Initiative Program - Market Assessments, Competitiveness, and Technology Panel held in Washington, DC. United States Department of Agriculture. May 1994. Amount \$1,200 (through Texas Tech University). **TGR-7**

**Travel Grant.** Travel grant to attend the National Research Council - Water Science and Technology Board National Workshop on the Future of Irrigation held in Irvine, California. National Academy of Sciences. June 1994. Amount \$1,500 (through Texas Tech University). **TGR-8**

**Co-Principal Investigator.** Farm Profitability and Financial Viability in the Texas High Plains: The Impacts of Biotechnology and Plant Stress Research. College of Agricultural Sciences and Natural Resources, Texas Tech University. September 1994 - August 1996. Amount \$78,600 (through Texas Tech University). **CPI-8**

**Principal Investigator.** The Expiration of the Conservation Reserve Program: Land Use Alternatives in the Texas High Plains. Texas Agricultural Experiment Station and College of Agricultural Sciences and Natural Resources, Texas Tech University. September 1994 - August 1995. Amount \$16,000 (through Texas Tech University and Texas A&M University). **PIR-8**

**Principal Investigator.** An Economic Analysis of Waste Management for U.S. Livestock Producers: System Alternatives and Policy Implications. Commercial Agriculture Division, Economic Research Service, United States Department of Agriculture. December 1994 - December 1998. Amount \$140,000 (through Texas Tech University). **PIR-9**

**Principal Investigator.** Natural Resource Degradation and Sustainable Agricultural Systems in the High Plains. Texas Agricultural Experiment Station and College of Agricultural Sciences and Natural Resources, Texas Tech

University. September 1995 - August 1996. Amount \$8,500 (through Texas Tech University and Texas A&M University). **PIR-10**

**Co-Principal Investigator.** Economic and Risk Assessment of Cotton Farming Systems. College of Agricultural Sciences and Natural Resources, Texas Tech University. September 1995 - August 1997. Amount \$24,000 (through Texas Tech University). **CPI-9**

**Co-Principal Investigator.** Economic Evaluation of Precision Farming for Cotton Production. Research Enhancement Program, Texas Agricultural Experiment Station. January 1996 - August 1997. Amount \$34,500 (through Texas A&M University). **CPI-10**

**Co-Principal Investigator.** Greenbug Resistance Management on Sorghum with Insecticide Mixtures: A Biological and Economic Analysis. Southern Region Pesticide Impact Assessment Program, United States Department of Agriculture. October 1996 - September 1997. Amount \$20,639 (through Texas A&M University). **CPI-11**

**Principal Investigator.** Contributions of Biotechnology Research to Sustainable Crop Production Systems. Texas Agricultural Experiment Station and College of Agricultural Sciences and Natural Resources, Texas Tech University. September 1996 - August 1999. Amount \$ 58,234 (through Texas Tech University and Texas A&M University). **PIR-11**

**Cooperator.** Evaluation of High Frequency Cotton Irrigation for Planned Soil Water Depletion with LEPA and Drip Systems. Cotton Incorporated. September 1997 - August 1998. Amount \$24,000 (share \$4,000, through Texas A&M University). **CRP-6**

**Cooperator.** Sustainable Crop/Livestock Systems in the Texas High Plains. Southern Region SARE/ACE Program, United States Department of Agriculture. April 1997 - March 2000. Amount \$231,380 (share \$35,540, through Texas Tech University). **CRP-7**

**Co-Principal Investigator.** Economic Impacts of Agricultural Production in the Texas High Plains Region. Texas-Ogallala Aquifer Regional Water Management Plan. September 1997 - August 1998. Amount \$20,000 (through Texas Tech University). **CPI-12**

**Co-Principal Investigator.** The Economics of Precision Farming in Cotton Production. College of Agricultural Sciences and Natural Resources, Texas Tech University. September 1997 - August 1999. Amount \$29,000 (through Texas Tech University). **CPI-13**

**Principal Investigator.** Economic Impacts of the Red Imported Fire Ant in Texas: The Search for Economically Feasible Solutions. College of Agricultural Sciences and Natural Resources, Texas Tech University. September 1997 - August 1999. Amount \$100,000 (through Texas Tech University). **PIR-12**

**Principal Investigator.** Precision Farming - Site Specific Production Systems: Economics of Precision Farming Practices in Cotton Systems. Precision Agriculture Initiative - Texas A&M University. September 1997 - August 1999. Amount \$28,600 (through Texas A&M University). **PIR-13**

**Principal Investigator.** Experimenting with Learning Organization Concepts: College of Agricultural Sciences and Natural Resources. College of Engineering-CLEAR Project, Texas Tech University. March 1999 - August 1999. Amount \$3,000 (through Texas Tech University). **PIR-14**

**Cooperator.** Drip Equipment Grant - Drip Irrigation for Texas Corn Production. High Plains Underground Water District #1, Lubbock, Texas. May 1999 - April 2000. Amount \$10,000 (all devoted to buy drip irrigation equipment - through Texas A&M University). **CRP-8**

**Cooperator.** Information Systems and Agricultural Census for Ecuador - Proyecto SICA, Ecuador. Ecuador - Ministry of Agriculture and the World Bank. June 1999 - May 2002. Amount \$2.62 million (share \$94,000 through Texas A&M University). **CRP-9**

**Principal Investigator.** Contributions of Biotechnology to Sustainable Crop Production Systems and Resource Valuation. Department of Agricultural and Applied Economics, College of Agricultural Sciences and Natural Resources, Texas Tech University. September 1999 - August 2000. Amount \$ 13,000 (through Texas Tech University). **PIR-15**

**Principal Investigator.** The Economics of Precision Farming in Cotton Production. Department of Agricultural and Applied Economics, College of Agricultural Sciences and Natural Resources, Texas Tech University. September 1999 - August 2000. Amount \$ 18,500 (through Texas Tech University). **PIR-16**

**Cooperator.** Improving Nitrogen Fertilizer Use-Efficiency in Deficit-Irrigation Systems for Cotton in the Southern High Plains. National Research Initiative - Cooperative State Research, Education and Extension Service, United States Department of Agriculture. September 1999 - August 2002. Amount \$318,500 (share \$34,000 through Texas A&M University). **CRP-10**

**Principal Investigator.** Precision Farming - Site Specific Production Systems: Economics of Precision Farming Practices in the Texas High Plains (cotton, grain sorghum, corn, and peanuts). Precision Agriculture Initiative - Texas A&M University. September 1999 - August 2001. Amount \$50,000 (through Texas A&M University). **PIR-17**

**Cooperator.** Peanut Physiology Research in Northwest Texas. Texas Peanut Producers Board. September 1999 - August 2000. Amount \$12,000 (share \$3,500 through Texas A&M University). **CRP-11**

**Travel Grant.** Travel grant to attend the Systems Thinking in Action Conference: Meeting the Challenges of a Global enterprise held in Atlanta, Georgia. College of Engineering-CLEAR Project, Texas Tech University. November 1999. Amount \$1,600 (through Texas Tech University). **TGR-9**

**Cooperator.** Harvest Timing, Bur Extracting, and Weathering Effects on Cotton Production and Quality, Ginning Characteristics and Economics. Cotton Incorporated. January 2000 - December 2002. Amount \$75,000 (share \$7,000 through Texas A&M University). **CRP-12**

**Co-Principal Investigator.** Economic Evaluation of Bt Stripper Cotton for Bollworm/Budworm Control on the Texas High Plains. Cotton Incorporated. January 2000 - December 2000. Amount \$7,260 (through Texas Tech University). **CPI-14**

**Co-principal Investigator.** Potential Economic Benefits of Adjusting Dryland Cropping Strategies Based on Seasonal Rainfall Forecasts. College of Agricultural Sciences and Natural Resources, Texas Tech University. November 1, 2000 - December 31, 2002. Amount \$33,000 (through Texas Tech University). **CPI-15**

**Travel Grant.** Travel grant to attend the Grant Selection Meeting of the 2001USDA National Research Initiative Program - Market Assessments, Competitiveness, and Technology Panel held in Washington, DC. United States Department of Agriculture. April 2001. Amount \$1,800 (through Texas Tech University). **TGR-10**

**Principal Investigator.** Site Specific Production Systems: Economics of Precision Farming Practices in the Texas High Plains (cotton, grain sorghum, corn, and peanuts). Precision Agriculture Initiative - Texas A&M University. September 2001 - August 2003. Amount \$56,666 (through Texas A&M University). **PIR-18**

**Co-principal Investigator.** Development and Evaluation of Dual Applicator (LEPA & Spray) Pivots. TAES Water Conservation and Soil Management Project - Texas Water Resources Institute, Texas A&M University. October 1, 2002 - August 31, 2003. Amount \$15,000 (through Texas A&M University). **CPI-16**

**Cooperator.** An Integrated Approach to Water Conservation for Agriculture in the Texas Southern High Plains. September 2004 – August 2012. Amount \$6.8 million (share\$610,565, through Texas Tech University). **CRP-13**

**Cooperator.** Forage/Livestock Systems for Sustainable Texas High Plains Agriculture. Southern Region SARE/ACE Program, United States Department of Agriculture. June 2002 - May 2005. Amount \$246,083 (share \$38,510, through Texas Tech University). **CRP-14**

**Principal Investigator.** Site Specific Production Systems: Economics of Precision Farming Practices in the Texas High Plains (cotton, grain sorghum, and corn). Cropping Systems Initiative - Texas A&M University. September 2003 - August 2005. Amount \$72,000 (through Texas A&M University). **PIR-19**

**Principal Investigator.** Ogallala Aquifer Initiative - Tuition Waiver Supplement. College of Agricultural Sciences and Natural Resources, Texas Tech University. September 2003 - August 2004. Amount \$3,868 (through Texas Tech University). **PIR-20**

**Co-principal Investigator.** Ogallala Aquifer Initiative - Economic and Policy Implications of Underground Water Use in the Southern Ogallala. Agricultural Research Service - United States Department of Agriculture. September 2003- August 2008. Amount \$137,500 (through Texas Tech University). **CPI-17**

**Co-principal Investigator.** Improving Nutrient Management for Subsurface Drip Irrigated Cotton. ICRC-CSREES, College of Agricultural Sciences and Natural Resources, Texas Tech University. September 2004 - August 2005. Amount \$38,500 (through Texas Tech University). **CPI-18**

**Co-principal Investigator.** Spatial Analysis of Precision Agriculture Data: An Approach to Improve Management Zone Delineation Procedures for Texas Cotton. ICRC-CAREES, College of Agricultural Sciences and Natural Resources, Texas Tech University. September 2004 - August 2005. Amount \$42,570 (through Texas Tech University). **CPI-19**

**Travel Grant.** Travel grant to attend the Grant Selection Meeting of the 2005USDA National Research Initiative Program - Enhancing the Prosperity of Small Farms and Rural Agricultural Communities Panel held in Washington, DC. United States Department of Agriculture. January 2005. Amount \$2,500 (through Texas Tech University). **TGR-11**

**Travel Grant.** Travel grant to visit Lanzhou University and Hexi University to strengthen joint academic and research programs. May and June, 2005. Amount \$5,000 (through Texas Tech University). **TGR-12**

**Co-principal Investigator.** The Dynamics of Price Competition in Dallas Fort Worth Supermarket Industry: The Case of Fluid Milk. College of Agricultural Sciences and Natural Resources, Texas Tech University. June 2007 - August 2007. Amount \$4,500 (through Texas Tech University). **CPI-20**

**Co-principal Investigator.** Economic Efficiency Analysis of Cotton Production in the Texas High Plains. . United States Department of Agriculture/CSREES – through CASNR. September 2008 – August 2009. Amount \$38,603 (through Texas Tech University). **CPI-21**

**Co-principal Investigator.** Determine the Status of Precision Farming Technology Adoption by Cotton Farmers in the 2007-2008 Crop Season in 12 States - Texas. Cotton Incorporated. January 2009 – December 2009. Amount \$5,000 (through Texas Tech University). **CPI-22**

**Cooperator.** A Hydro-Econometric Analysis of Producer Water Use and Aquifer Hydrology in the Texas High Plains. United States Department of Agriculture/CSREES. September 2009 - August 2012. Amount \$261,662 (share \$32,017 through Texas Tech University). **CRP-15**

**Co-principal Investigator.** Optimal Spatial and Temporal Allocation of Irrigation Water in Center-Pivot-Irrigated Cotton-Sorghum Production Systems. United States Department of Agriculture – NIFA. September 2010 – August 2011. Amount \$40,604 (through ICRC - Texas Tech University). **CPI-23**

**Co-principal Investigator.** Determine the status of precision farming technology adoption by cotton farmers in 12 States – Texas. January 2010 – December 2010. Amount \$7,000 (through Texas Tech University). **CPI-24**

**Cooperator.** Economic and Policy Implications of Underground Water Use in the Southern Ogallala Region. United States Department of Agriculture – ARS. October 2010 – September 2011. Amount \$200,000 (share \$50,000 through Texas Tech University). **CRP-16**

**Co-principal Investigator.** Determine the status of precision farming technology adoption by cotton farmers in 12 States – Texas. January 2011 – December 2011. Amount \$7,000 (through Texas Tech University). **CPI-25**

**Co-principal Investigator.** Determine the status of precision farming technology adoption by cotton farmers in 12 States – Texas. January 2012 – December 2012. Amount \$7,000 (through Texas Tech University). **CPI-26**

**Co-principal Investigator.** Determine the status of precision farming technology adoption by cotton farmers in 12 States – Texas. January 2013 – December 2013. Amount \$7,000 (through Texas Tech University). **CPI-27**

**Co-principal Investigator.** Determine the status of precision farming technology adoption by cotton farmers in 12 States – Texas. January 2014 – December 2014. Amount \$7,000 (through Texas Tech University). **CPI-28**

**Travel Grant.** Travel grant to visit Lanzhou University to strengthen joint academic and research programs. July 2015. Amount \$7,500 (through Texas Tech University). **TGR-13**

**Principal Investigator.** Water Resource Use Sustainability in Agriculture: An Application to the Hexi Corridor Region of China. September 2015 – May 2016. Amount \$36,000 (various sources through Texas Tech University). **PIR-21**